JANAM

# *XM66 User Guide*

Version 9
May, 2011

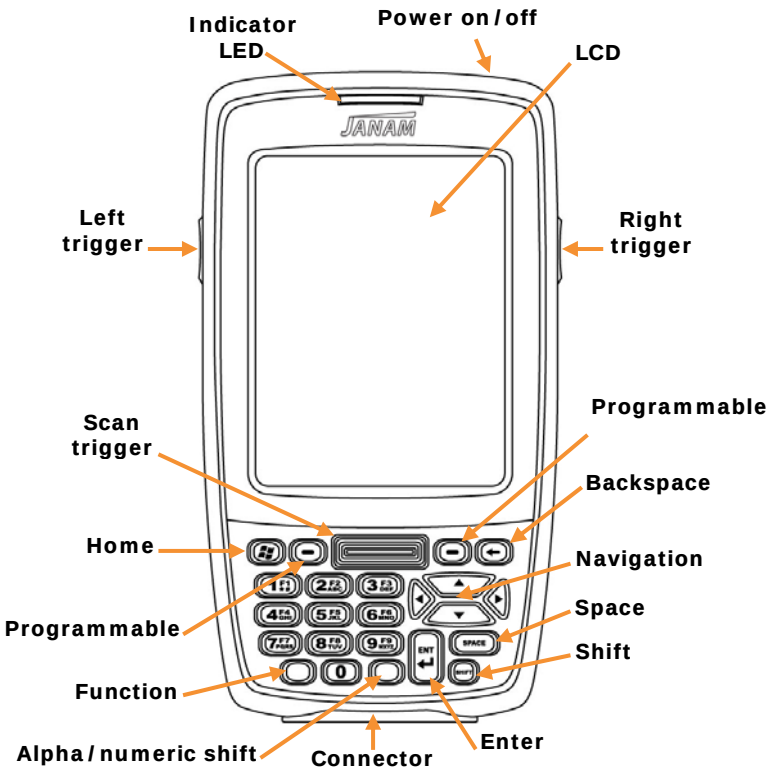
# Contents


| | |
|---|---|
| **Chapter 1: Introduction** | |
| About the Janam XM66 | 1-1 |
| Feature summary | 1-1 |
| Hardware overview | 1-2 |
| **Chapter 2: Get Started** | |
| Unpack your Janam XM66 | 2-1 |
| Recommended host computer configuration/requirements | 2-1 |
| Update your desktop software | 2-1 |
| Attach the handstrap | 2-2 |
| Install/charge the battery | 2-2 |
| Turn on the XM66 | 2-3 |
| Understanding the today screen | 2-4 |
| What do the status icons mean? | 2-4 |
| **Chapter 3: Set Up Your Janam XM66** | |
| Recalibrate the screen | 3-1 |
| Customize the today screen | 3-1 |
| Change language and regional settings | 3-3 |
| Change the date and time display | 3-4 |
| Owner identification and password protection | 3-5 |
| Backlight and brightness preferences | 3-6 |
| Battery power | 3-7 |
| Button assignment and scrolling speed | 3-7 |
| Adjust volume | 3-8 |
| Enable sounds and notifications | 3-8 |
| Device name | 3-9 |
| Customize the start menu | 3-9 |
| Open applications | 3-10 |
| Remove applications | 3-10 |
| Display lock/unlock | 3-11 |
| **Chapter 4: Reset the XM66** | |
| Soft reset | 4-1 |
| Hard reset | 4-1 |
| **Chapter 5: Barcode Scanning** | |
| Demonstration and setup | 5-1 |
| Enable the ScanWedge feature | 5-2 |
| Unlock 2D scanning | 5-2 |
| Enable ScanCapture feature | 5-3 |
| **Chapter 6: Enter Data** | |
| Entering information on the XM66 | 6-1 |
| Using the barcode scanner | 6-1 |
| Using the input panel (onscreen keyboard) | 6-1 |
| Keyboard shortcuts | 6-2 |
| Using the onscreen keyboard | 6-2 |
| Using block recognizer | 6-6 |
| Using letter recognizer | 6-7 |
| Using transcriber | 6-7 |
| Import data | 6-14 |
| **Chapter 7: Exchange and Update Data Using ActiveSync** | |
| Create a user profile | 7-1 |
| Set up/delete a partnership | 7-1 |
| Partnership settings | 7-8 |

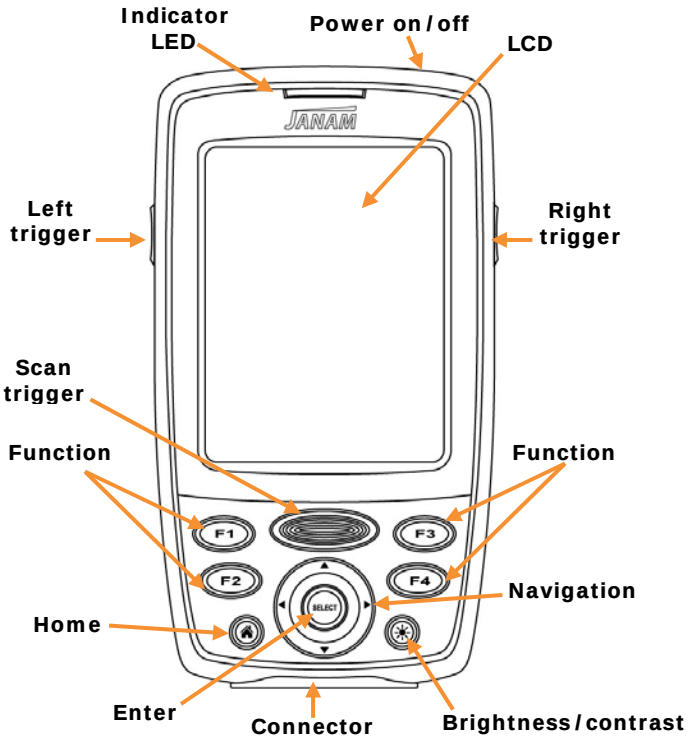
| | |
|---|---|
| **Chapter 8: WLAN 802.11 Wireless Configuration** | |
| Wireless local area network access | 8-1 |
| **Chapter 9: Bluetooth** | |
| Overview | 9-1 |
| Turn Bluetooth on/off | 9-1 |
| Make a device visible | 9-1 |
| Bluetooth partnerships | 9-2 |
| Bluetooth beam | 9-4 |
| Bluetooth virtual COM ports overview | 9-5 |
| **Chapter 10: Regulatory and Maintenance** | |
| Regulatory information | 10-1 |
| FCC and Canadian compliance | 10-1 |
| XM Series batch terminal | 10-2 |
| XM Series RF Terminals with WLAN and/or Bluetooth | 10-2 |
| RF, regulatory and safety approvals | 10-3 |
| Care and cleaning of terminals | 10-3 |
| Waste electrical and electronic equipment (WEEE) information | 10-3 |
| Battery warning | 10-4 |
| General information | 10-4 |
| Operating instructions | 10-4 |

## Hardware overview

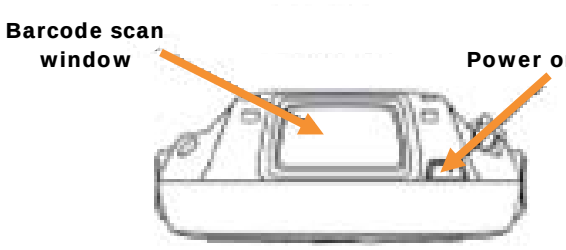
### Front view numeric keypad



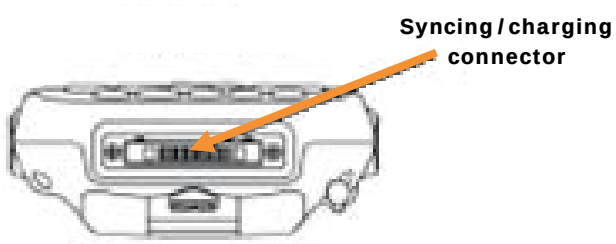

### Front view PDA keypad



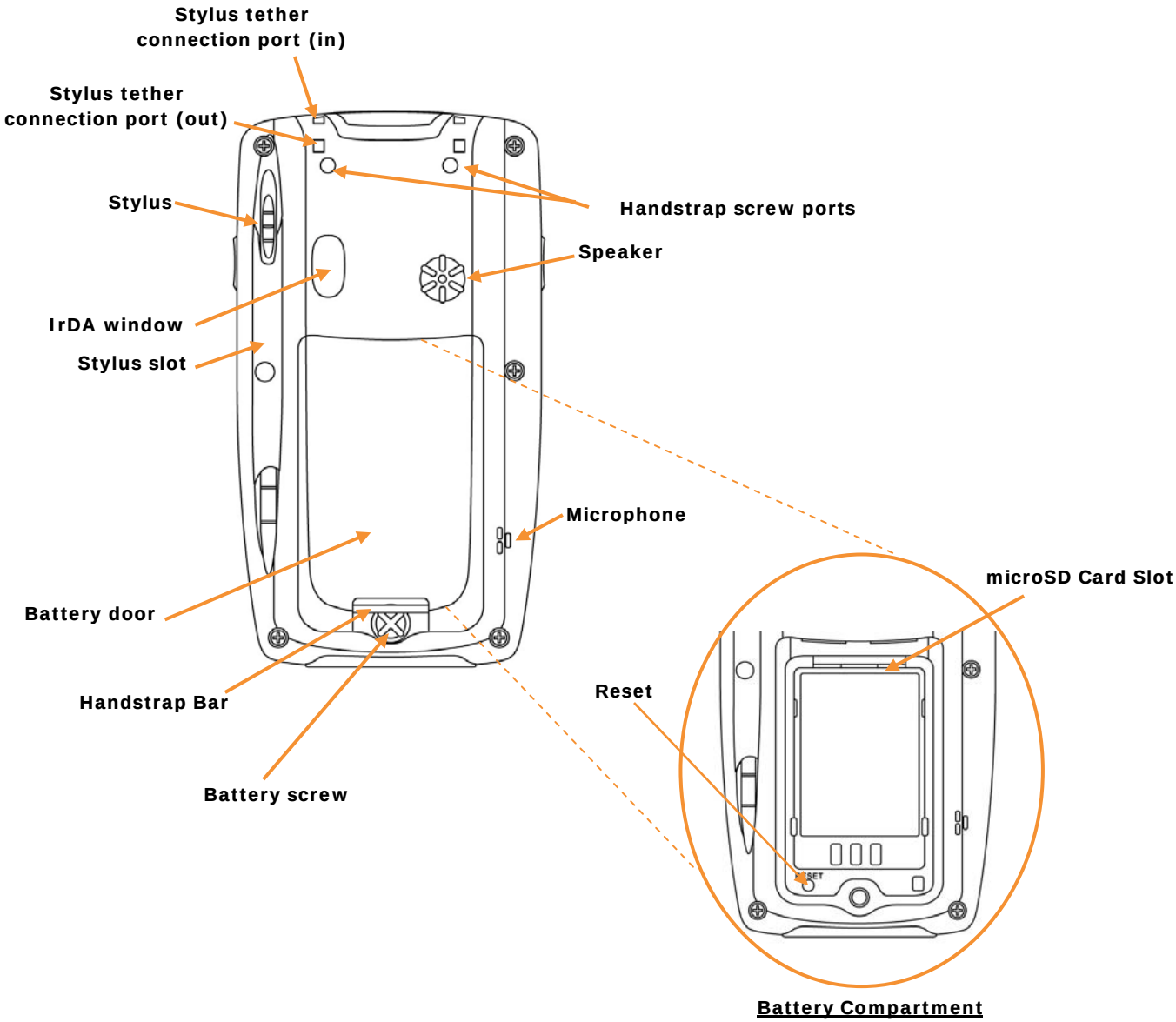
## Top view




## Bottom view




## Back view



# 1 Introduction

## About the Janam XM66

Designed to deliver maximum return on investment, Janam's XM Series mobile computers are feature-rich and affordable. These rugged Microsoft Windows handhelds deliver advanced barcode scanning, robust WLAN communication and long battery life. With the latest, most powerful Freescale processor and double data rate (DDR) memory, the XM66 brings impressive horsepower to the point of activity. Features designed for the front line and a price that drives the bottom line set Janam's XM Series ahead of its class.

Janam's XM Series mobile computers are sculpted to fit in the hand and are the only products in the category that weigh less than 10 ounces and still have a full 3.5" display. The units are capable of withstanding repeated 4 foot/1.2 meter drops to concrete and are sealed to IP54 standards. The XM66 has a user-accessible microSD card slot and full suite of accessories and cradles that accommodates varying enterprise application needs.

Like all Janam products, the XM66 has integrated 1D barcode scanning and built-in 2D barcode scanning capability. Janam's 2D scanning solution enables users to upgrade barcode scanning functionality from 1D to 1D/2D on any device at any time with a simple firmware upgrade. So regardless of the type of barcode used today, Janam's mobile computers offer the flexibility to adapt as business needs change. It's technology at work.

## Feature Summary

- Microsoft Windows Mobile 6.1
- Small and light – under 10 ounces
- Full 3.5" color display
- High performance barcode scanning
- WLAN 802.11b/g and a/b/g radio options
- Cisco CCX certified
- Bluetooth
- Double data rate (DDR) memory
- User-accessible microSD card slot
- Sculpted to fit in the hand – truly pocketable
- Withstands multiple 4'/1.2m drops to concrete across a wide temperature range
- Sealed to IP54 standards
- Ten-layer PCB with grounding planes
- Hi-Speed USB 2.0 and serial output
- Full system of accessories

2

# Get Started

## Unpack your Janam XM66

Make sure you have the following:

» Janam XM66 handheld computer
» Janam authorized battery
» Handstrap and two screws to attach strap to device
» Charging accessory (ordered/packed separately) with one of the following kits:
- Single-slot cradle kit
- Four-slot cradle kit
- USB cable with AC adapter
- Serial cable with AC adapter

## Recommended host computer configuration / requirements

The Janam XM Series Development Kit assists programmers with the development of applications for Janam XM Series rugged barcode scanners running the Microsoft® Windows Mobile® 6.1 operating system. It contains all necessary details and instructions for developing applications that use Janam XM Series libraries, including scanning, imaging and hardware utilities.

The development kit is designed for use with Microsoft® eMbedded Visual C++ 4.0 (*SP4 or above*) or Microsoft Visual Studio 2005.

» IBM-compatible host computer with Pentium 450 MHz processor or higher
» Microsoft Windows XP Service Pack 2, Microsoft Windows 2000 Service Pack 4, Windows Server 2003 Service Pack 1 or Windows Vista
» 192 MB RAM (Recommended: 256 MB)
» Hard disk space:
- Without Microsoft Developer Network (MSDN): 1 GB on system drive and 2 GB on installation drive
- With MSDN: 1 GB on system drive; 3.8 GB on installation drive with a full installation of MSDN; and 2 GB on installation drive with a default installation of MSDN

» CD-ROM or DVD-ROM drive
» One available serial port
» Video minimum 800 x 600, 256 colors (Recommended: 1024 x 768, high color 16-bit)
» Mouse or compatible pointing device

## Update your desktop software

Microsoft ActiveSync software is available at the Microsoft web site at http://www.microsoft.com.

## Attach the handstrap

1. To attach the handstrap, first align the two holes in the metal handstrap anchor at the two handstrap screw ports. Then, for each side, place one of the screws provided into a lined up screw hole/screw port and turn clockwise. Secure both sides before fully tightening down the screws.
2. Separate velcro to extend the handstrap and feed loose end through the handstrap bar. Fasten velcro together to close the strap. Fit strap and secure device to user's hand by adjusting velcro as needed.

## Install the battery

**IMPORTANT Battery Warning!**
**CAUTION:** Use only Janam-approved batteries.
There is the risk of explosion if battery is replaced by an incorrect type.
Always dispose of used batteries according to the instructions.

1. To access the battery compartment, turn the **locking-screw counterclockwise** to open the latch and remove **battery cover**.
2. Position the **battery lift strap** against the back of battery well, ensuring tab extension is on left side.
3. Place a **Janam Lithium-ion rechargeable battery** in and snap into place.
4. Replace the **battery cover** by positioning the top prongs first and sliding into place. Tighten **locking screw** by turning clockwise.

### To charge the battery:

> ⓘ IMPORTANT NOTE!
> *The main battery charges the backup battery in the XM66 unit. When the main battery is fully charged, do not remove it from the unit for 24 hours. If the battery is removed during this period, the device cannot maintain any user data.*

### To charge the battery using the USB Cable or Serial Cable:

1. Connect the **power supply** to the USB cable or serial cable.
2. Connect snap-on end of USB cable or serial cable to bottom of XM66, making sure the word TOP on the cable connector faces front.
3. Insert country-specific AC plug, and plug in the power supply.
4. The LED will illuminate to confirm connection (orange indicates charging, green indicates fully charged and red indicates fault).
5. The battery is fully charged in approximately two hours.

### To charge the battery using the Single-Slot or Four-Slot Cradle:

1. Connect the **power supply** to the cradle.
2. Connect the **line cord** to the appropriate power supply.
3. Plug in the **power supply**.
4. Insert the **XM66** into the cradle.

   **Note**: Proper insertion is required to ensure connection.
5. The LED will illuminate to confirm connection (orange indicates charging, green indicates fully charged and red indicates fault).
6. The battery is fully charged in approximately two hours.

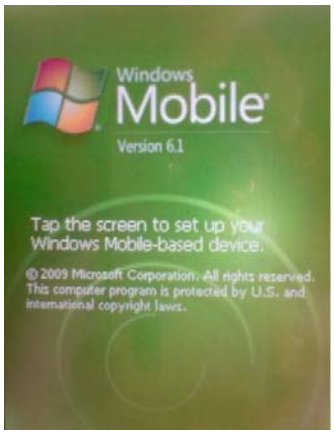
## Remove the battery from spare battery charging well

Do not force-pull the spare battery from charging well. Follow these instructions to remove the spare battery:

1. While gently holding down with thumb, slip **index finger** down against the battery so that you feel the edge where the battery meets the cradle.
2. Press **down and forward** with index finger to lift battery edge.

## Turn the XM66 on

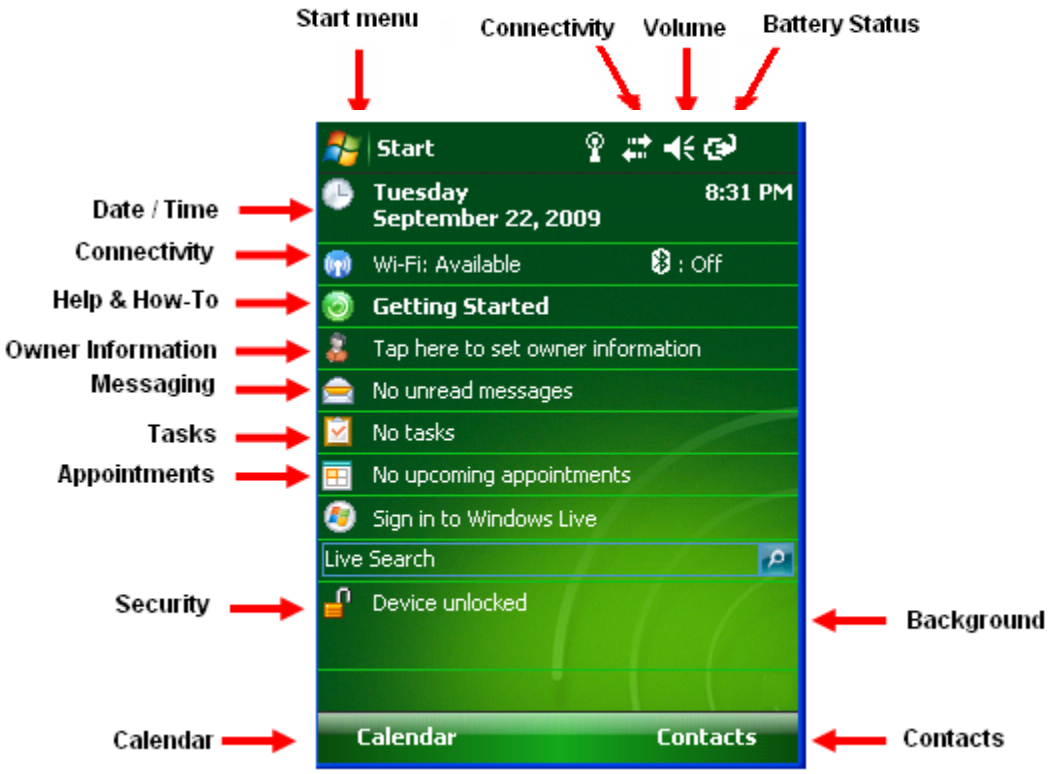
After installing the battery in the XM66, press the power button at the top of the device.




The first time the device is turned on, calibrate the screen using the stylus. The stylus is located on the back of the device. To calibrate, simply follow the onscreen instructions and remember to save your settings.

**Note:** If your XM66 came pre-loaded with a custom software application, a welcome utility may not appear. Follow the onscreen instructions.

## Understanding the Today Screen




## What do the Status Icons Mean?

| Indicator | Meaning | Indicator | Meaning |
|---|---|---|---|
| | New email or text message (SMS) | | Pending alarm |
| | Battery level | | Sync error |
| | Low battery | | Bluetooth |
| | Battery charging | | Wi-Fi ON |
| | No battery | | Wi-Fi signal strength |

3

# Set up your Janam XM66

### ⓘ IMPORTANT NOTE!

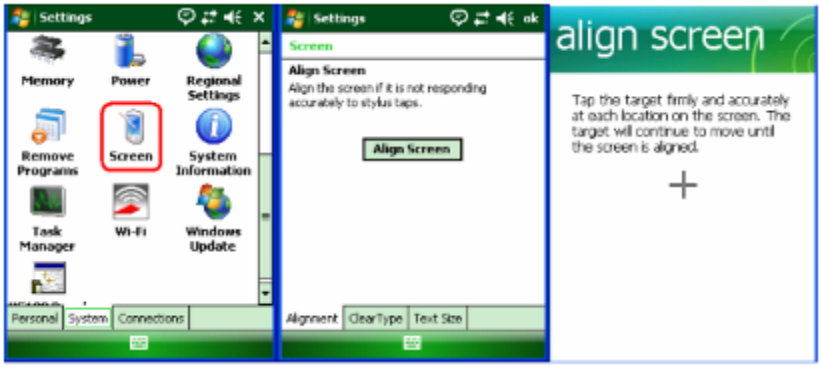
**Always use the stylus for tapping or making strokes on the handheld computer screen. DO NOT use a pen, pencil or any other object on the touch screen display.**

## Recalibrate the Screen

The first time you start the Janam XM66 handheld computer, setup instructions will appear on screen. These instructions include a calibration screen, or digitizer. Calibration aligns the internal circuitry of the handheld computer with its touch-sensitive screen so the handheld can detect tapping selected elements on the screen. You can also recalibrate your screen at any time.

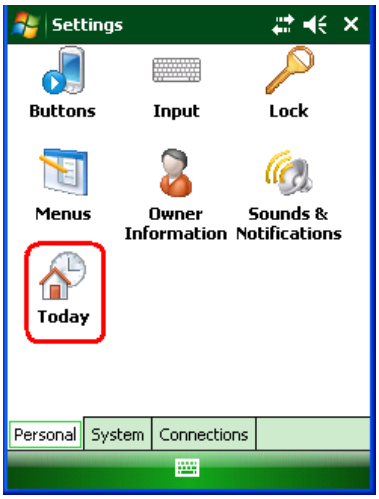
**To recalibrate your screen:**

1. Tap the **Start menu > Settings > System Tab > Screen**.
2. Select **Align Screen** button, and follow the **on-screen instructions**, tapping the screen where indicated.

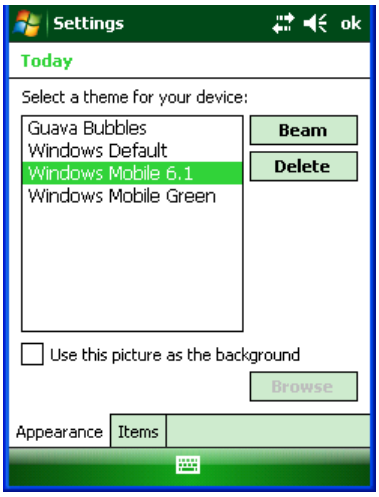



## Customize the Today Screen

The Today screen can be customized by tapping **Start menu** > **Settings** > **Today.**

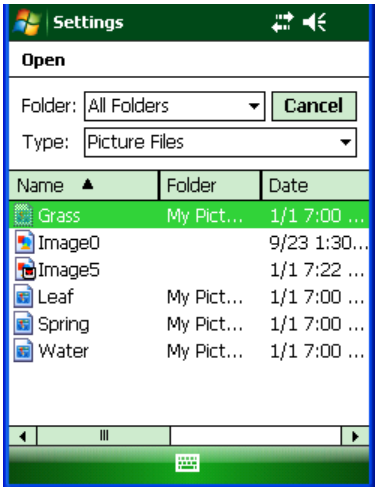


**To choose a background / theme:**
On the **Appearance tab**, select the desired theme for the background.




**To add a custom background image:**

1. Check the **use this picture as the background** check box, and **tap Browse** button to view a list of your picture files.
2. Select the folder that contains the picture you want to use.
3. Select the file type of the picture.
4. Tap the file name of the picture you want to use.
5. Tap **OK**.

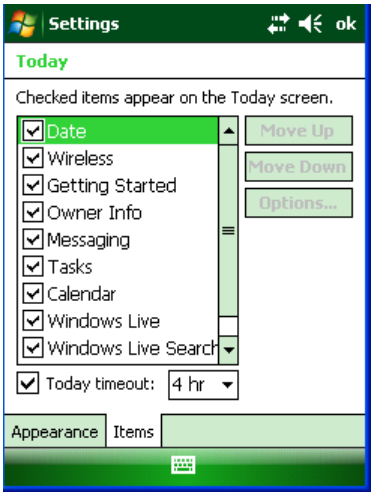



## ⓘ IMPORTANT NOTE!

*Pictures can affect the readability of text on the Today screen.*

**To select / change the order of appearance:**

1. Select **Start menu** > **Settings** > **Today**
2. On **the items tab**, select the items you want to appear on the today screen.
3. Change the order by tapping the item and then tap move up or move down.

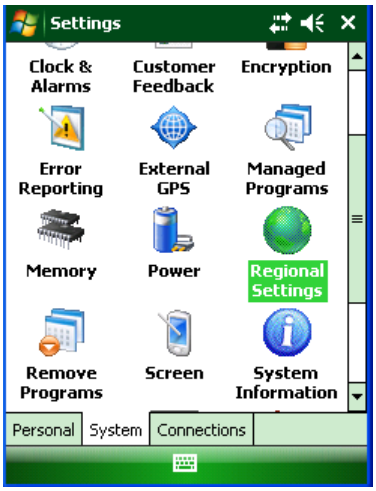


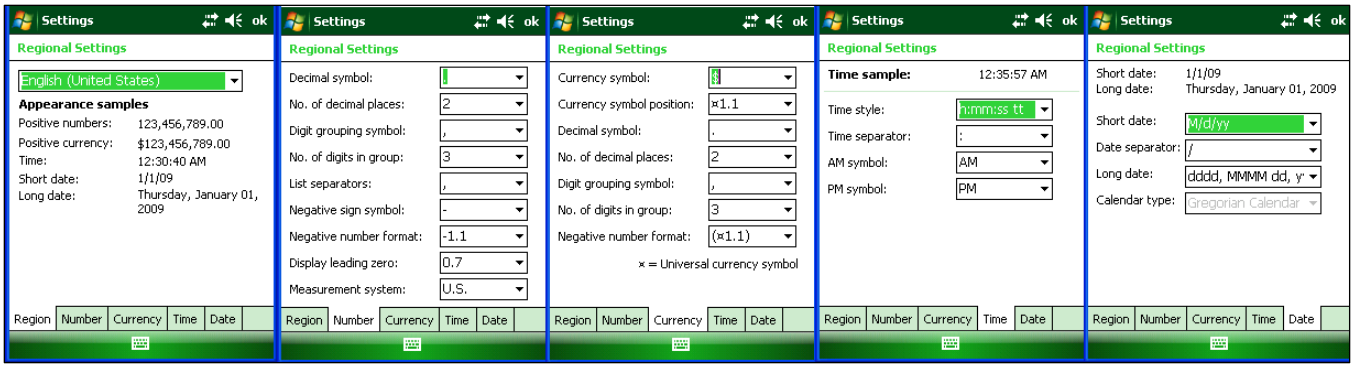

## Change Language and Regional Settings

Your Janam XM66 ships with pre-set regional, language and input settings. To change these settings, follow the directions below.

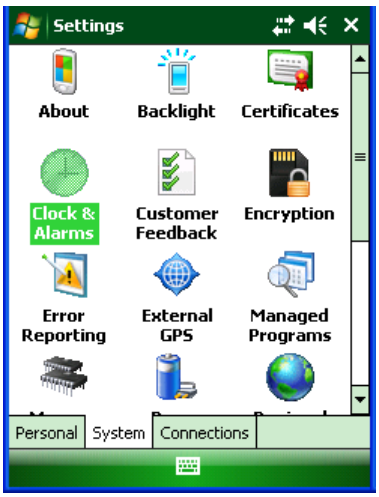
The style in which numbers, currency, dates and times are displayed is specified in regional settings. To change these:

1. Tap **Start** menu **> Settings** > **System** tab > **Regional Settings**.
2. On the **Region** tab, select your **Region and Language**.
3. Do one of the following:
   - On the **Time** tab, select **the time display options** you want.
   - On the **Date** tab, select the **date display options** your want.
4. To customize settings further, tap the **appropriate tabs** and select the **desired options**.



## Change the Date and Time Display



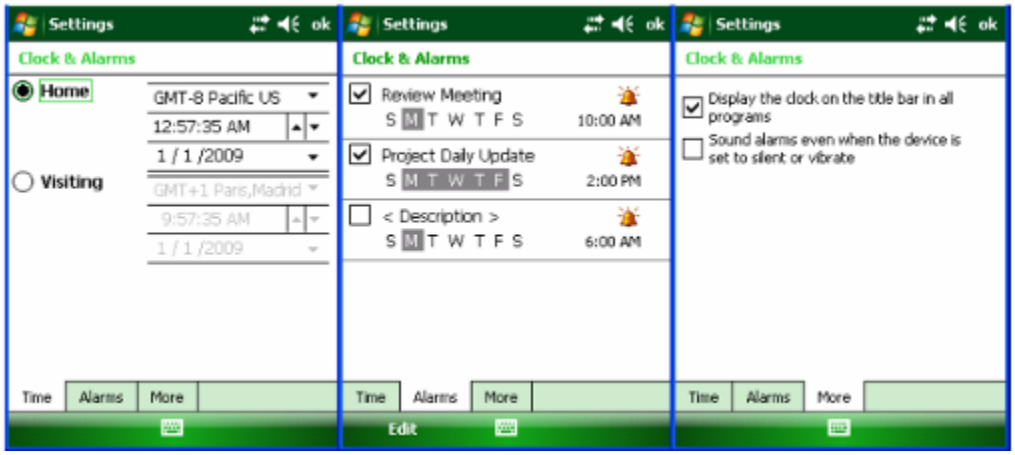

### To set the time and date:

1. Tap **Start** menu> **Settings** > **System** tab > **Clock & Alarms**.
2. Select the correct **Time Zone,** and change the **Date or Time**.
3. Choose **Alarms** tab to set regular reminders.
4. Choose **More** tab to add/remove the clock on the title bar in all programs and the sound alarm even when the device is set to silent or vibrate.

**Note:** During synchronization, the time on your device is updated with the time on your PC.

### To set the time and date for a different location:

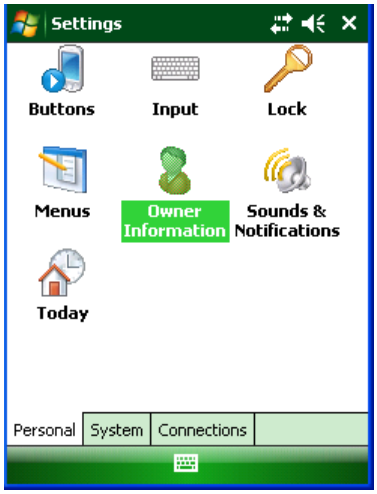
1. Tap **Start** menu > **Settings** > **System** tab > **Clock & Alarms**.
2. Tap **Visiting**.
3. Select the **correct time zone**, and change the **time or date**.




**Tip:** Select visiting to choose a different time zone if you are travelling to another location or frequently communicate with someone in another time zone.

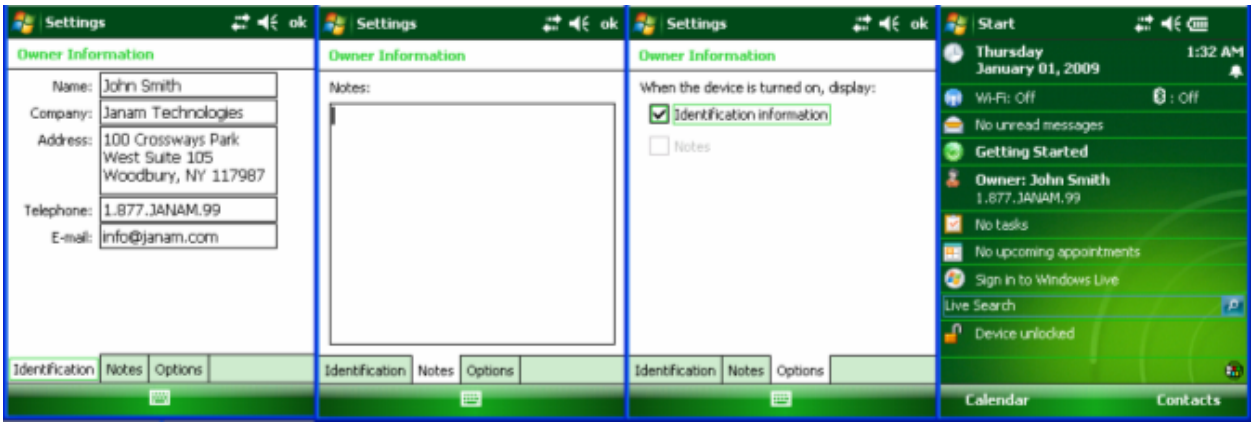
## Owner Identification and Password Protection

1. Tap **Start** menu > **Settings** > **Personal** tab > **Owner Information**.
2. On the identification tab, enter your **personal information**.

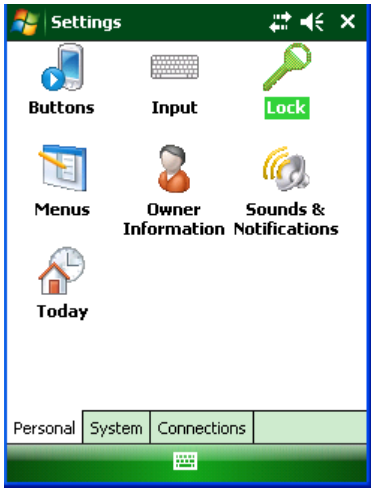



### To display owner information on the today screen:

1. Tap **Start** menu > **Settings** > **Personal** tab > **Owner Information**.
2. On the **Options** tab, select the **identification information** check box.
3. On the **Options** options tab, select the **notes check box** if you want additional text displayed, such as: Reward if found.
4. On the **Notes** tab, enter the **additional text**.



### To protect your device with a password:



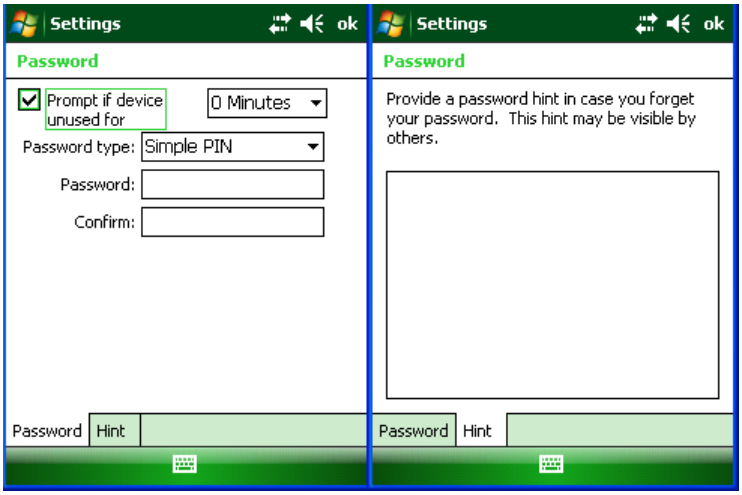

1. Tap **Start** menu **> Settings** > **Personal** tab > **Lock**.
2. Select the **Prompt if device unused for** check box, and select the option from the dropdown menu.
3. In the password type box, select the **type of password** you would like to use – **Simple PIN** or **Strong alphanumeric**. Enter the **password** and key in the same password to **confirm** the password.
4. On the **Hint** tab, enter a phrase to help you remember your password. The hint displays after the wrong password is entered four times.
5. Tap **OK**. You will be prompted to enter your password the next time you turn on your Janam XG100WM.

### ⓘ IMPORTANT NOTE!

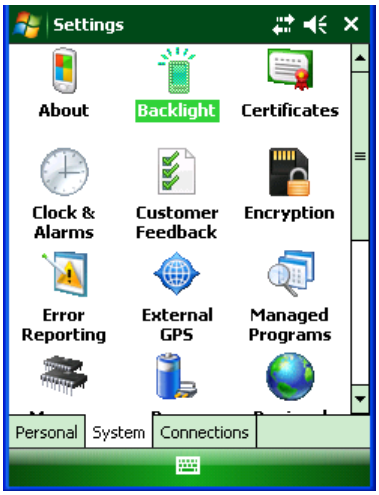
*Each time a wrong password is entered, the time the device takes to respond will get longer and longer until the device appears to be not responding. If you forget your password, you must reset your device.*

### To change your password:

1. Tap **Start** menu **> Settings** > **Personal** tab > **Lock**. Enter your current password.
2. In the password box, enter your **new password**.
3. On the **Hint** tab, enter a **phrase** to help you remember your new password. The hint displays after the wrong password is entered four times.
4. Tap **OK**.




## Backlight and Brightness Preferences



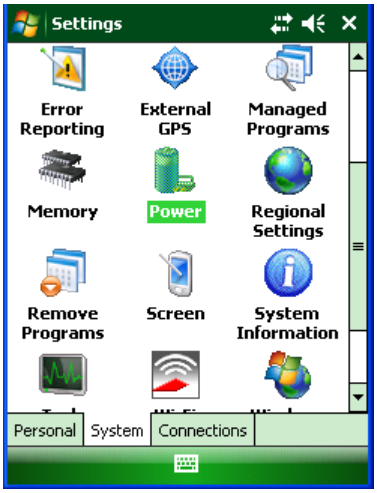

### To change backlight preferences:

1. Tap **Start** menu > **Settings** > **System** tab > **Backlight**.
2. Select **Battery Power** tab and make your **changes** in:
   - Turn off backlight if device not used for
   - Turn on backlight when a button is pressed or the screen is tapped.
3. Select **External Power**, and make your **changes** in:
   - Turn off backlight if device not used for
   - Turn on backlight when a button is pressed or the screen is tapped.
4. Click **OK**.

## Battery Power

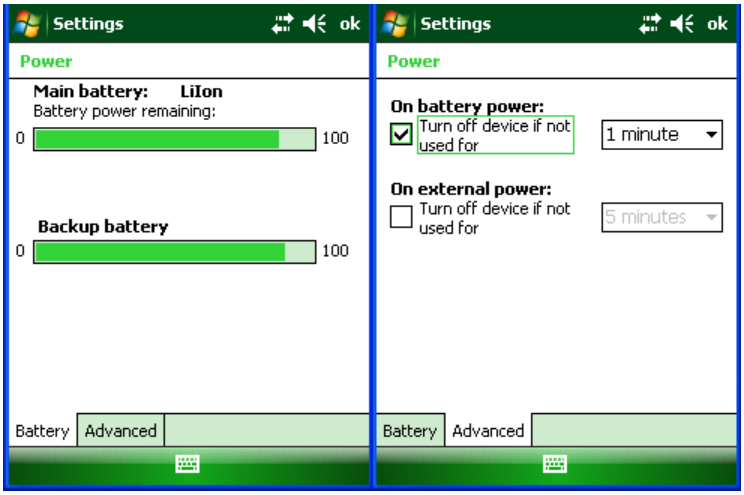
### To make the battery last longer:

1. Tap **Start** menu > **Settings** > **System** tab > **Power**.
2. On the **Advanced** tab, **specify when your device turns off** to conserve battery power. For optimum conservation, specify 3 minutes or less. Default value is 1 minute.
3. Use the AC adapter to plug your device into external power whenever possible.
4. Adjust the **backlight settings** using keypad.




### To check the main battery and backup battery status:

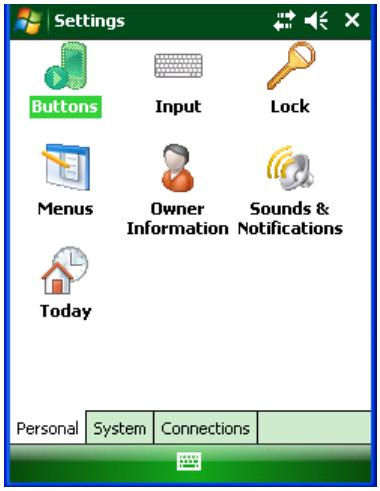
1. Tap **Start** menu > **Settings** > **System** tab > **Power**.
2. On the **Battery** tab, Main Battery status and Backup Battery status are shown in bar chart from 0% to 100%.




## Button Assignment and Scrolling Speed

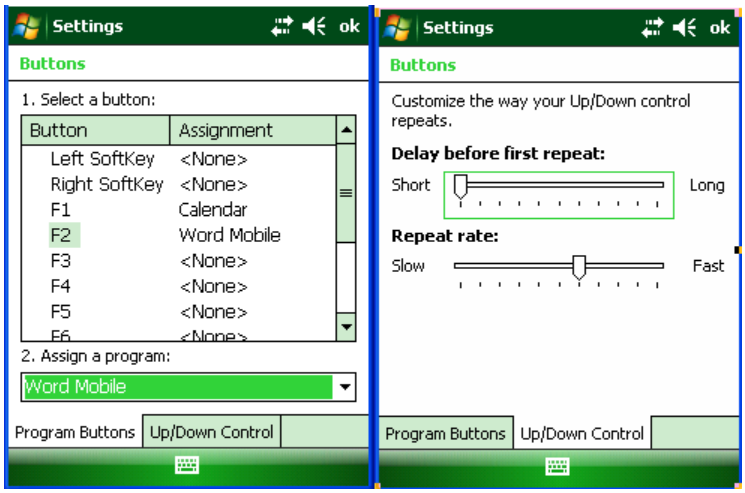
### To program buttons:

1. Tap **Start** menu > **Settings** > **Personal** tab > **Buttons** > **Program Buttons** tab.
2. First, select a button from the list, then assign a program from the dropdown menu to that button.



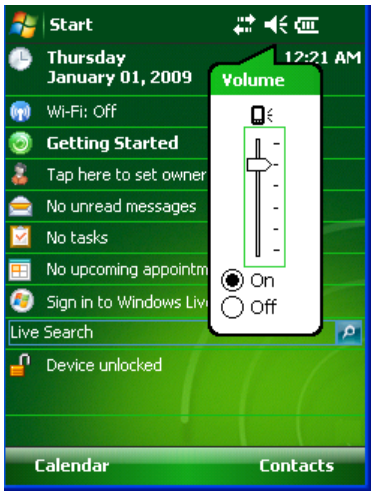
### To adjust the speed for scrolling:

1. Tap **Start** menu > **Settings** > **Personal** tab > **Buttons** > **Up/Down Control** tab.
2. Do one of the following:
   - Under delay before first repeat, move the **slider** to shorten or lengthen the time that elapses before scrolling begins.
   - To change the time it takes to scroll from one item to the next, under repeat rate, move the **slider** to adjust the speed.



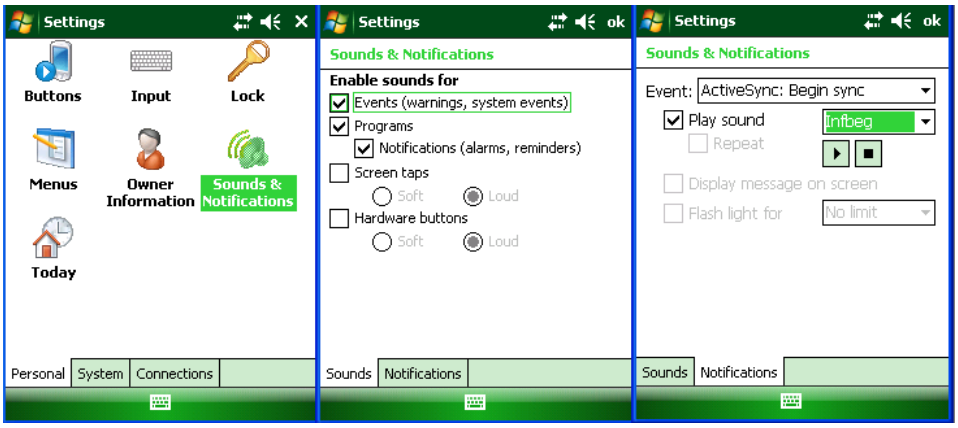

## Volume Control

1. Tap the top command bar.
2. Move the indicator **up or down** to adjust volume.
3. Click **off** to turn volume off completely.
4. Click on the **handheld's background** to close the popup.
5. Alternatively, user can use keypad to adjust the volume. On 52-key keypad, <**Func + H**> keys for volume up and <**Func + M**> keys for volume down.




## Enable Sounds and Notifications

1. Tap **Start** menu > **Settings** > **Personal** tab > **Sounds & Notifications** > **Sounds** tab.
2. Tap or select the **events and programs** to enable sounds.
3. Select the **Notifications** tab to assign notifications to specific events.
4. Select the **Event** in the dropdown menu, tap **Play sound** checkbox and choose **sound**.
5. Click **ok**.



## Device Name

Your XM66 may already be named, which is used to identify the device in the following situations:

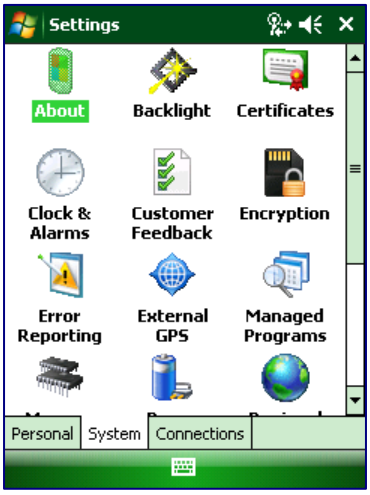
- Synchronizing with a PC
- Connecting to a network
- Restoring information from a backup

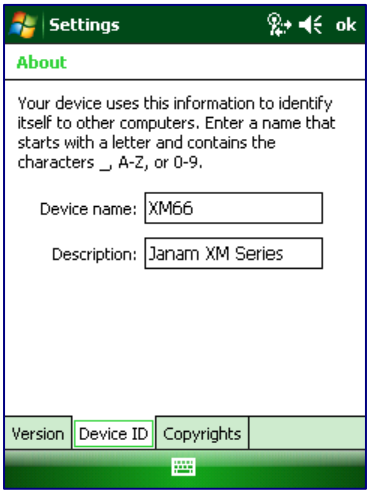
### ⓘ IMPORTANT NOTE!

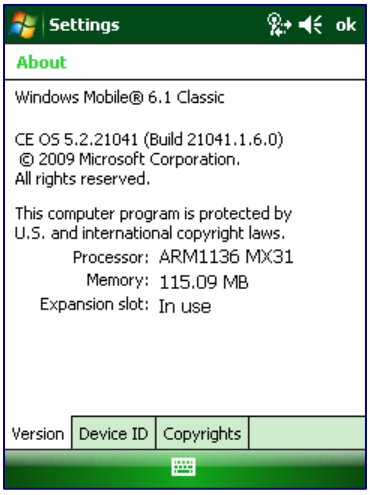
*If you synchronize multiple devices with the same PC, each device must have a unique name.*

### To change the device name:

1. Tap **Start** menu > **Settings** > **System** tab > **About**.
2. Tap the **Device ID** tab.
3. Enter a **name**. The device name must begin with a letter, consist of letters from A to Z, numbers from 0 to 9, and cannot contain spaces. Use the underscore character to separate words.

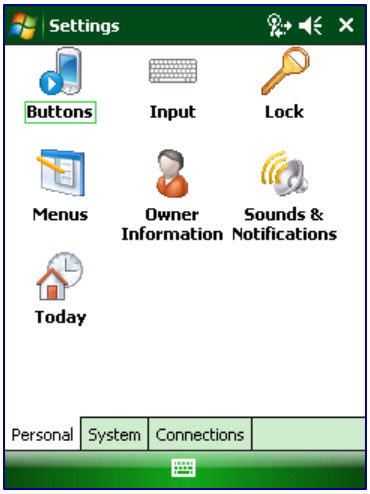


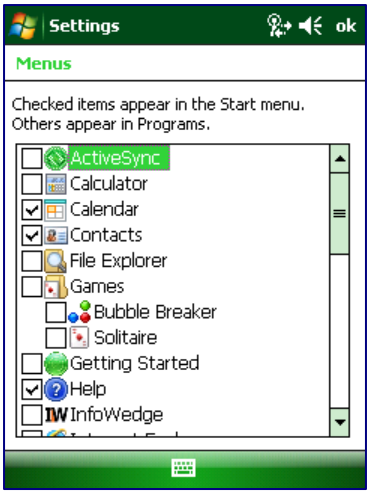




## Customize the Start Menu

1. Tap **Start** menu > **Settings** > **Personal** tab > **Menus**.
2. Select the **check boxes** of the items you want to appear in the **Start** menu (up to seven items).

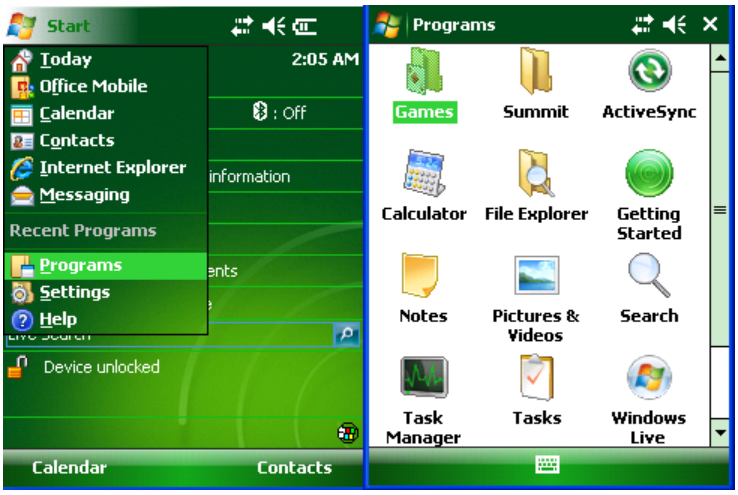


## Open Applications

### To open an application:

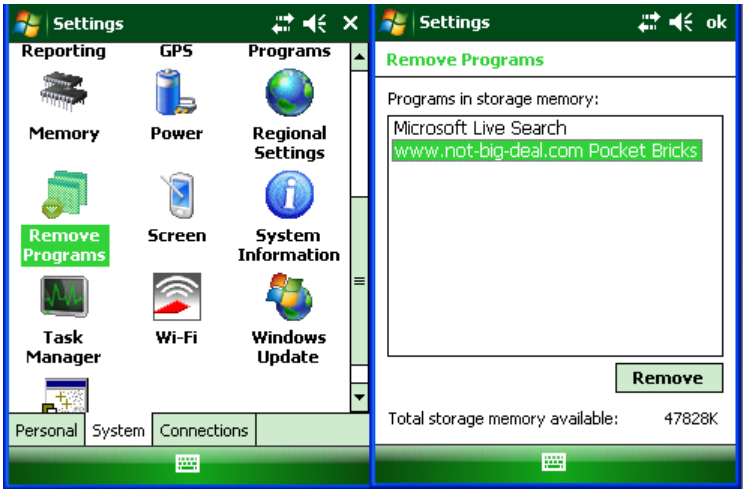
1. Tap **Start** menu > **Programs**.
2. Select the **application** you want to open.




## Remove Applications

### To remove a program:

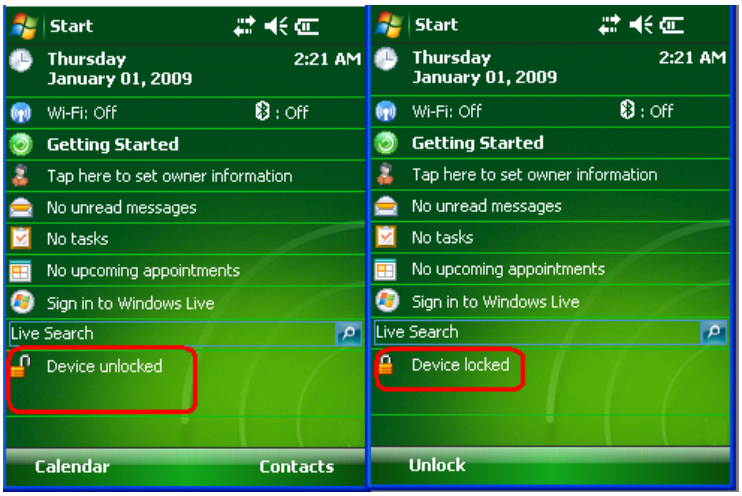
1. Go to **Start** menu > **Settings** > **System** > **Remove Program**.
3. Select the **program** you want to delete, and click **Remove**.
4. Click **OK**.



## Display Locked / Unlocked

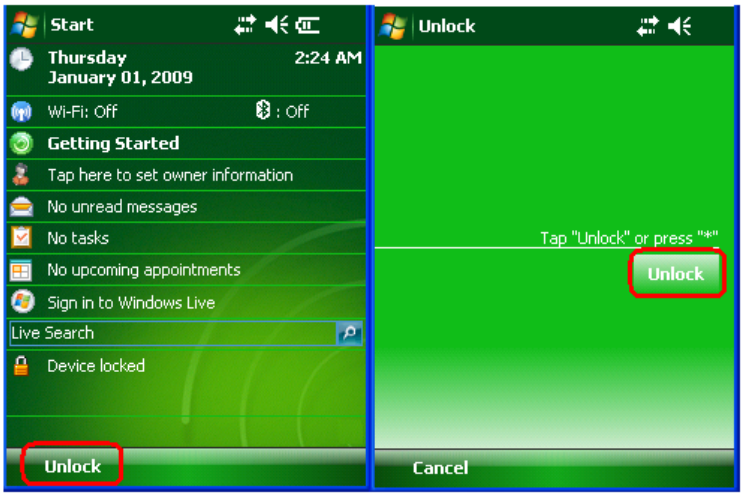
### To lock the display:

1. Tap **Start** menu > **Today**.
2. Tap **Device unlocked**. The lock icon will change to a closed lock.
3. When the device is locked, keypad and touch screen will not receive user input.




### To unlock the display:

1. At the bottom of the **Today** screen, tap **Unlock**.
2. Tap **Unlock**.



4

# Reset the XM66

**To soft reset:**

In most situations, a soft reset restarts the device and saves all stored records and entries. However, any data that has not been saved will be lost during a soft reset. To perform a soft reset, do the following:

1. Remove the **battery door** from the back of the unit.
2. Locate the **reset button**.
3. Using the stylus, press the **reset** button (one time).
4. Replace the **battery door**.

> FEATURED SHORTCUT:
> *(Numeric Keypad)*
> *Simultaneously press the blue key and the power button and hold for five seconds. When the Janam logo appears on the display, release both the blue key and the power button.*

**To hard reset:**

A hard reset returns the XM66 to factory settings, removing ALL applications and data from the device. Be sure that all data is backed up before performing a hard reset.

To perform a hard reset, do the following:

1. Remove the **battery door** from the back of the unit.
2. Locate the **reset button**.
3. While holding the arrow-up key located on the keypad, use the stylus to press the **reset** button (once). Continue to **hold the arrow-up key**.
4. After the reset has occurred and the calibration screen appears on the screen, release the **arrow-up key.**

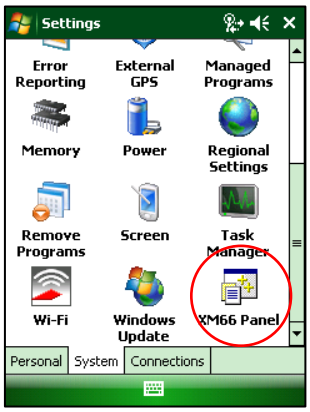
> FEATURED SHORTCUT:
> ***(Numeric Keypad)***
> *Simultaneously press the yellow key and the power button and hold for five seconds. When the Janam logo appears on the display, release both the yellow key and the power button. Perform touch-screen calibration.*

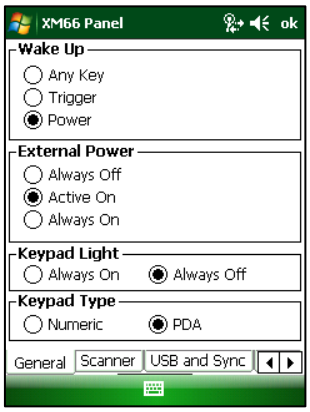
### FEATURED SHORTCUT:

***(PDA Keypad)***

*Press and hold the F2 key. While holding the F2 key, press the power button until the display goes dark. Release the power button then release the F2 button.*

*Note: PDA keypad setting must be selected in XM66 Panel (see below) or a registry key must be used to enable.*




**XM66 Panel**

**Wake Up**

Choose a method to wake up device after suspend.

**External Power**

Supplies +5VDC from communications port for external peripherals. If you peripheral accessory does not function properly, set the value to "Always On".

**Keypad Light**

Set backlight to ON or OFF.

**Keypad Type**

Choose setting to match device's keypad type. Factory default is "Numeric".

Note: XM66 Panel settings will revert to default settings after a cold boot. Please refer to XM Series SDK for more information on how to make settings persistent.

### ⓘ IMPORTANT NOTE – BATTERY DOOR!

*XM66 mobile computers feature a **battery door removal detection switch**.*

*This is designed to protect against data loss if the battery is removed during data collection or processing. The system will not fully operate when the battery cover is removed. As a result of this feature, XM66 devices automatically create a safe state until the battery cover is secured, meaning a device will power-down until the battery door is closed. It will recall and resume from the user's most recent screen when the battery door is fully in place.*

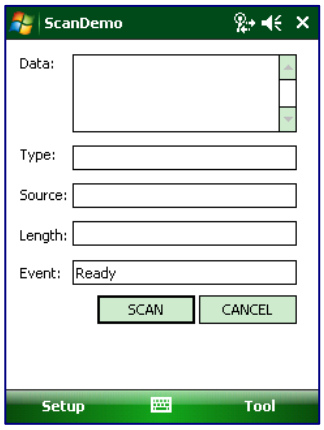
5

# Barcode Scanning

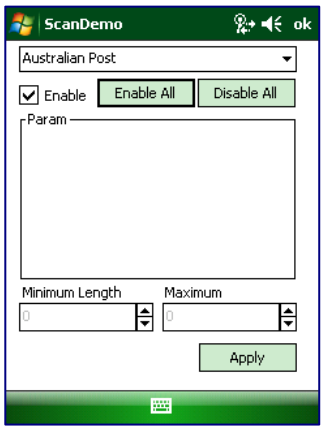
## Barcode scanning demonstration and setup

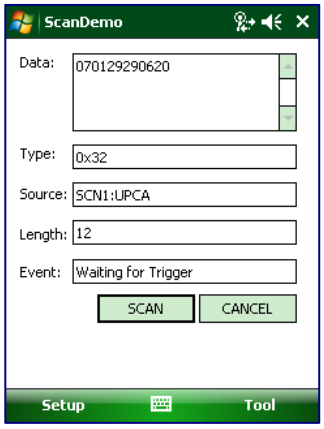
**To run the demo:**

1. Tap the **Start** menu **> Programs > Scan > ScanDemo**.
   Three menus will appear (setup, OCR, options) on the top of the screen.

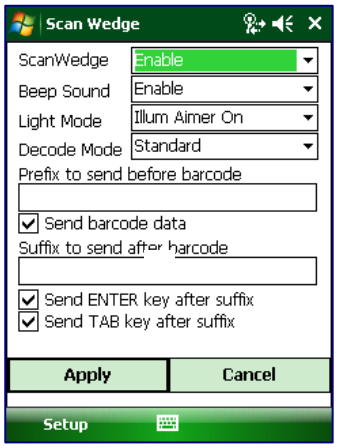



2. Select **Setup > Symbology Config**.
3. Tap **Enable All** to enable every type of barcode or manually select the type of barcode you need.
4. Tap **OK** to save.
5. Select **Scan**
6. Point the **scanner** at a barcode, and press any of the **barcode scan trigger buttons** on the XM66. The results will display after a successful scan.



## Enable the ScanWedge feature




When the ScanWedge feature is enabled, data can be entered into the specified application by opening the application on the handheld and scanning a barcode.

1. Go to **Start menu > Programs > Scan > ScanWedge**.
2. Select **Enable** from the *ScanWedge* menu.
3. Tap **Setup > Symbology Config**. You can then select **enable all** to enable every type of barcode or manually select the barcode symbologies you need.
4. Tap **OK**.

**Note:** The ScanWedge function will be disabled if manual scanning is initiated either by a command API or by using the Janam Barcode Test program.

## Unlock 2D scanning

All of Janam's mobile computers can be upgraded in the field to read both 1D and 2D barcodes with a simple firmware upgrade (Part Number 2D-XP-1). With each upgrade, a key code is provided that unlocks 2D scanning capability on the device. To purchase an upgrade for your XM66, contact your authorized Janam dealer.

You will need to provide the product imager ID number so the appropriate five-digit key code sequence can be assigned. To access the imager ID number, follow these steps:

**To get your imager ID number:**

1. Tap the **Start menu**, go to **Settings** and select **System** tab**.**
2. Tap on the **XM66 Panel** icon.
3. Select **Info** tab.
   The Scanner ID info is a unique number for each XM66 device.
4. Record the Scanner ID number.

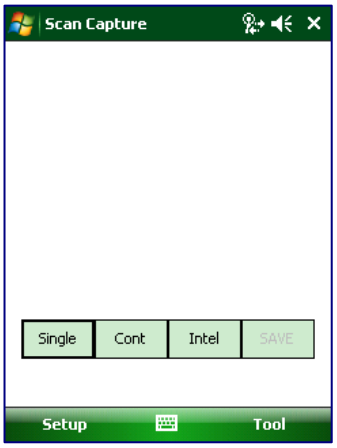
After receiving your five-digit key code, follow these steps to enable 2D scanning.

1. Go to the **Start** menu **> Settings > System tab.**
2. Tap **XM66 Panel** icon.
3. Select **Scanner** tab.
4. Enter your **five-digit key code > Unlock.**
   A *successful unlock* notification will appear.
5. Press **X to close the screen.**

**Note:** Remember to keep a record of your six-digit key code.
The unlock code will be maintained in the unit's system after a soft reset or a hard reset, but it will need to be re-entered after a clean reset.

## Enable ScanCapture feature

The ScanCapture demo enables you to capture images in three ways:
a) Single – to capture a single image
b) Cont. – to capture multiple images, video style
c) Intel – for intelligent signature capture.

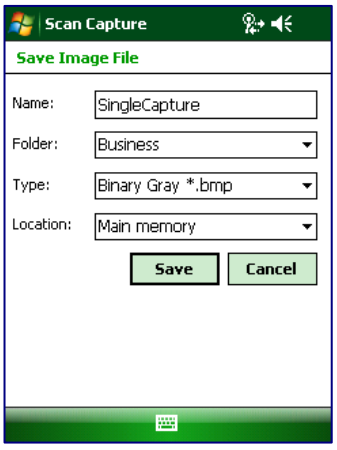



**To access Scan Capture:**
1. Go to **Start menu > Programs > Scan**
2. Tap **ScanCapture** icon**.**

**To take a single image:**
1. Click **Single button**.
2. Aim the XM66 at the subject, hold the device steady and press the Single button. The unit will function as a digital camera and take a single picture.

3. A preview appears on the screen.

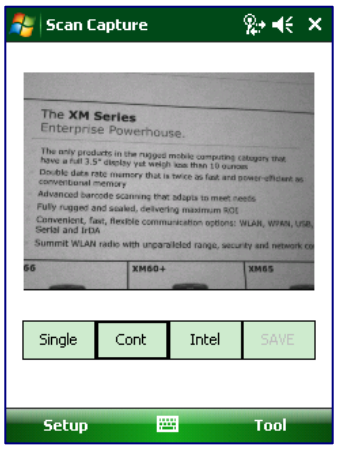
4. Click **Save**.




5. Enter a name for the image and select a memory storage location.
6. Click **OK**.
7. Below is the image that is captured.

**To use continuous preview:**

1. Select **Cont** or continue button.
2. Aim the scanner at the subject, hold the device steady and press the **Cont** button. This will start video record.
3. Press the **Cont** button again to stop video recording and display a single image.
4. Click **Save**.
5. Enter a name for the image and select a memory storage location.
6. Click **OK**.




**To use intelligent capture:**

This function is designed to work with a custom barcode for Intelligent Signature Capture. A code 128 barcode is used to inform the device that a signature is to be captured. The Intelligent Signature feature will find the barcode in the image, scale it, remove the extra information, and display the signature on the screen.

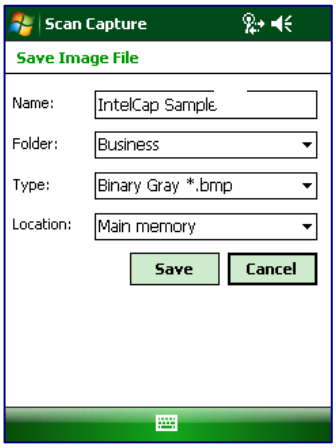
When using the Intel Imaging function, there are a number of settings available. The main settings include the ROI Width and Height. ROI stands for Region Of Interest. This is the subset of the complete image that will be extracted. Another field is Image Bit Depth, which can be Gray or Binary. If Binary is selected, the returned image will be black and white. This results in the smallest image size, but the lowest image quality. If Gray is selected, the image will be in 256 levels of gray. This provides higher image quality and a larger image size.

1. Go to **Menu > Settings > Intel Img.**
2. Set up appropriate settings. Click **Address or Signature > OK**.

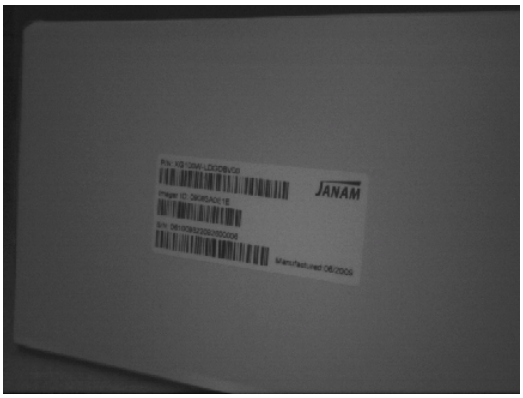
3. Select **Intel button** and **aim** at any support barcode. If you need to capture a 2D barcode, be sure to unlock your 2D feature.

4. Select **Save button**.

5. Enter **image name** and **save** to a memory storage location.
6. Click **OK**.




7. The below image is captured.



# 6

# Enter Data

## Entering information on the XM66

You can enter data into your Janam mobile computer several ways:

| Type | How |
|---|---|
| Barcode scanning | Use the barcode scanning to capture data and images. |
| Typing | Use input panel to enter typed text by tapping keys on the onscreen keyboard or by using handwriting recognition software. |
| Writing | Use the stylus like a pen to write directly on the screen. |
| Drawing | Use the stylus like a pen to draw a picture directly on the screen. |
| Synchronizing | Use ActiveSync to exchange information between your PC and device. For more information on ActiveSync, see chapter 11. |

## Using the Barcode Scanner

You can capture data and images by scanning barcodes into the handheld computer. See chapter 5 for details.

## Using the Input Panel

The input panel provides access to the various input methods available on your device.

By default, the input panel appears on the menu bar. The icon indicates which input method is currently selected. The input selector arrow opens a list of available input methods.

To show or hide input panel, tap the input panel icon on the menu bar.

| Icon | Indicates the selected input method is: |
|---|---|
| | The onscreen keyboard. |
| | Letter recognizer or block recognizer. |
| | Transcriber (if available). |

## Keyboard Shortcuts

When you use the onscreen keyboard, you can use shortcut keys as an alternative to menu commands when working in programs on your device.

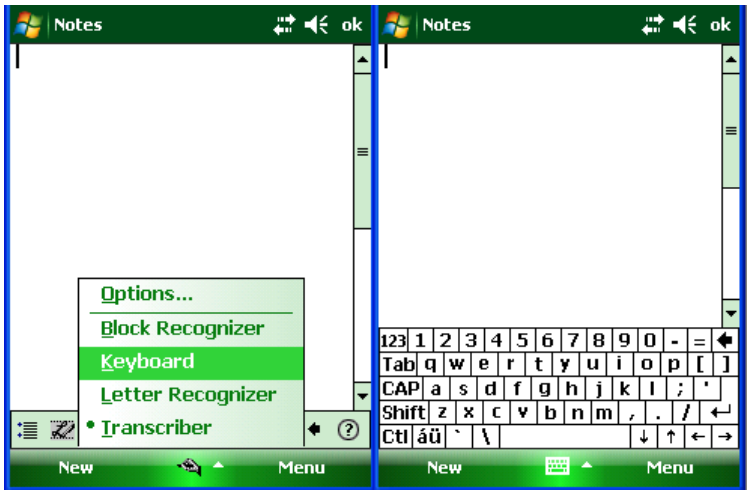
| To | Tap | To | Tap |
|---|---|---|---|
| Copy the selected text | CTRL+C | Undo the last action | CTRL+Z |
| Cut the selected text | CTRL+X | Redo the last action | CTRL+Y |
| Paste the text | CTRL+V | Make the selected text bold | CTRL+B |
| Close a program | CTRL+Q | Make the selected text italic | CTRL+I |
| Open a new file | CTRL+N | Make the selected text underlined | CTRL+U |

## Using the Onscreen Keyboard

### To enter text:

You can enter text by tapping keys on the keyboard that is displayed on the screen. The onscreen keyboard is available when text entry is possible.

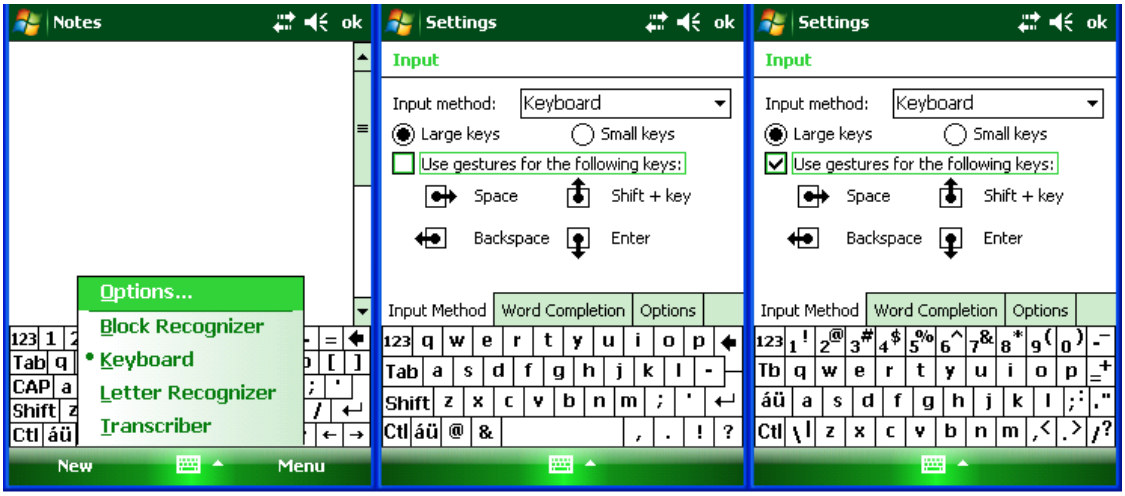
1. In a program, tap the **Input Selector** arrow, and then **Keyboard**.
2. Enter **text** by tapping keys on the onscreen keyboard.



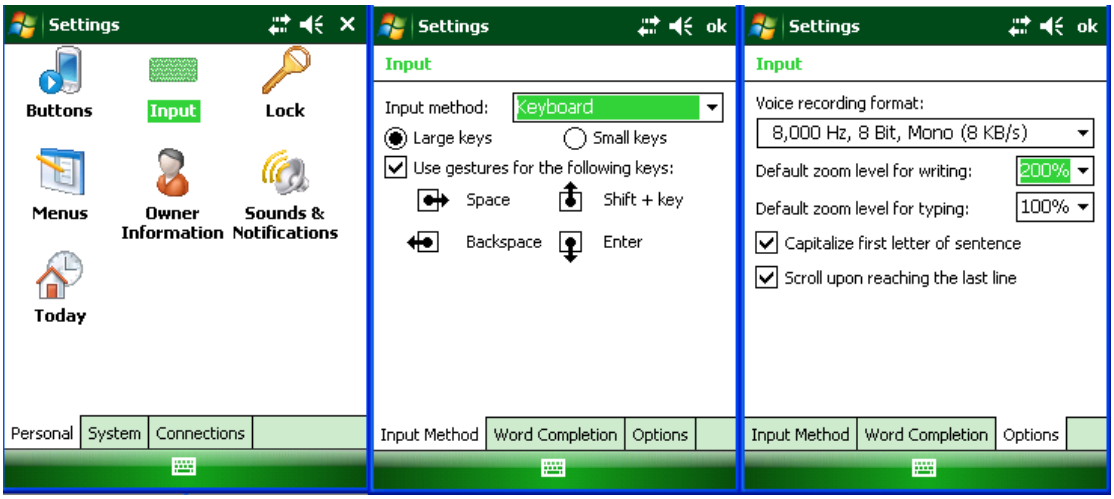

### To increase the size of the keyboard keys:

1. Tap the **Input Selector** arrow > **Options** or tap **Start** menu > **Settings** > **Personal** tab > **Input**.
2. In the **Input Method** list, select **Keyboard** > **Large keys**.
3. Enlarge the keys even more by selecting the **use gestures for the following keys** check box. Fewer keys will appear on the keyboard, but you can do gestures for **Space**, **Backspace**, **Enter** and **Shift + Key**.
4. Tap the **Options** tab, and change the **zoom level** as desired.
5. Tap **OK**.

### (a) Using Input Selector arrow

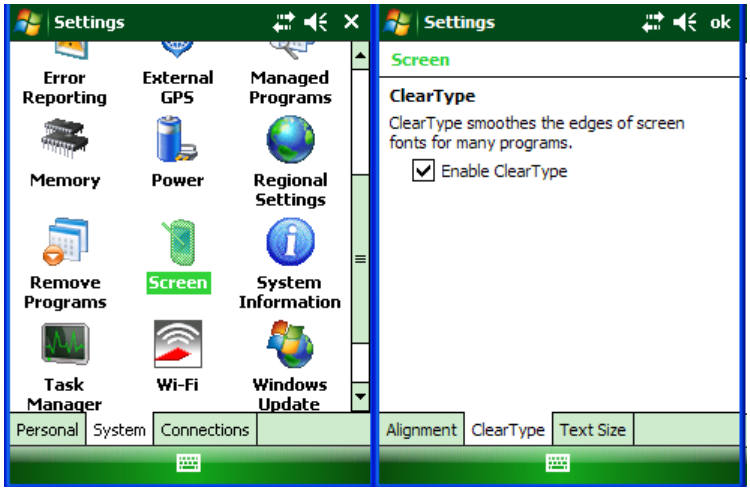



### (b) Using Input on Settings screen



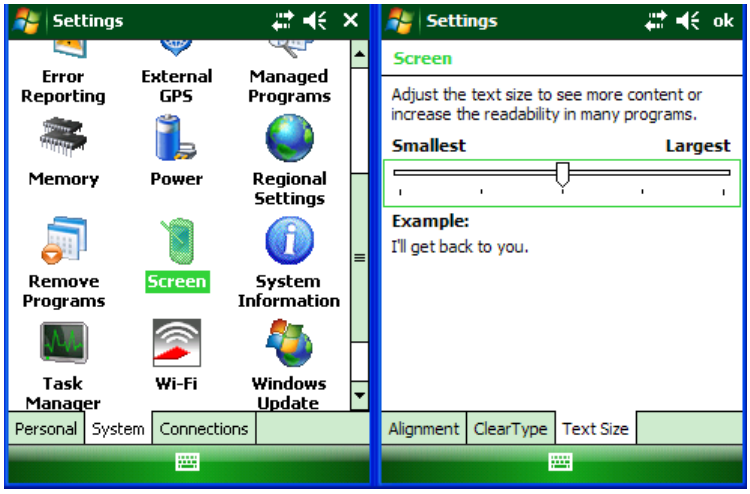
### To use ClearType for screen text:

1. Tap **Start** menu > **Settings** > **System** tab > **Screen** > **ClearType** tab.
2. Select the **enable ClearType** check box.



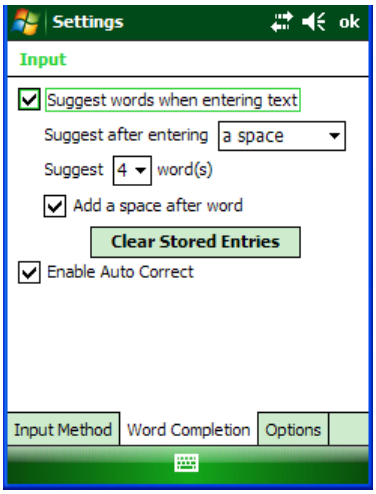

### To increase or decrease the size of text on the screen:

1. Tap **Start** menu > **Settings** > **System** tab > **Screen** > **Text Size** tab.
2. Move the **slider** to increase or decrease the text size.



### To change word completion options:

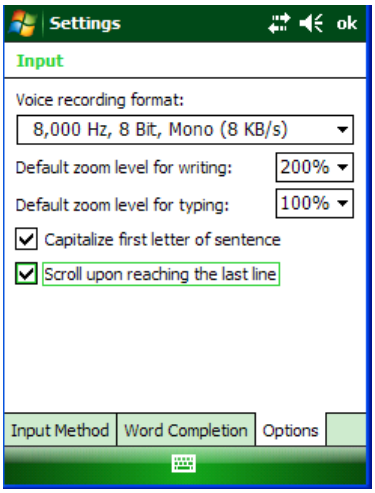
1. Tap **Start** menu > **Settings** > **Personal** tab > **Input**.
2. Tap the **Word Completion** tab, select the **Suggest words when entering text** check box, and **specify the settings**.
3. Tap **OK**.




### To turn on automatic scrolling:

You can change input settings so that as you enter text in a program, scrolling occurs automatically when the text reaches the bottom of the screen.

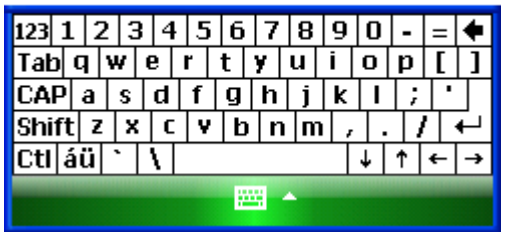
1. Tap **Start** menu > **Settings** > **Personal** tab > **Input**.
2. Tap the **Options** tab, and select the **Scroll upon reaching the last line** check box.
3. Tap **OK**.



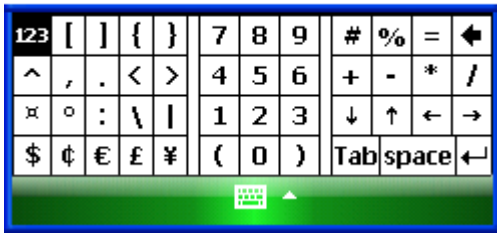
**To change input panels:**

1. The standard alpha keyboard is the default.
2. For numeric, tap on **123** keyboard in the upper left corner of the main keyboard.
3. For international, tap on **áü** key in the lower left corner of the alpha keyboard.

Alpha




Numeric



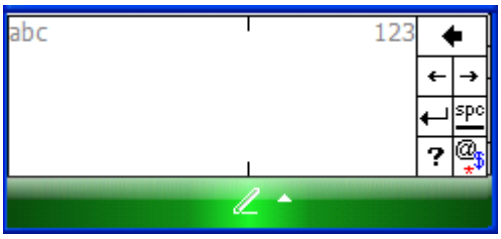

International

## Using Block Recognizer

Use a single stroke to write letters, numbers, symbols and punctuation, which are converted into typed text. Block recognizer is available when text entry is possible.

### To enter text using Block Recognizer:

1. From a program, tap the **input selector** arrow and then **block recognizer**.
2. Write **characters, numbers and symbols** in the designated writing area.
   - Enter **letters** by writing in the abc (left) area of the box.
   - Enter **numbers** by writing in the 123 (right) area of the box.
   - Enter **symbols and punctuation** by tapping in either area of the box and then writing the desired character.

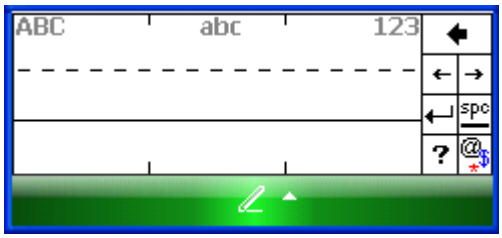



**TIP:** For help with writing characters with block recognizer, tap the **question mark** near the writing area.

## Using Letter Recognizer

With letter recognizer, you can write individual letters, numbers and punctuation and have them converted into typed text.

### To enter text using letter recognizer:




1. From a program, tap the **Input Selector** arrow and then **Letter Recognizer**.
2. Write **characters, numbers and symbols** in the designated writing area.
   - Enter **capital letters** by writing in the ABC (left) area of the box.
   - Enter **lower case letters** by writing in the abc (middle) area of the box.
   - Enter **numbers** by writing in the 123 (right) area of the box.
   - Enter **punctuation and symbols** by tapping in either area of the box and then writing the desired character.

**TIP:** For help with writing characters with letter recognizer, tap the **question mark** near the writing area.

## Using Transcriber

Transcriber works transparently in the background of programs that accept user input.

### To start transcriber:

1. Start a **program** such as Word Mobile.
2. Tap the **Input Panel icon** at the bottom center of the screen and tap the **Input Selector arrow**.
3. Tap **Transcriber**. The transcriber introductory screen appears.
4. Tap OK to close the introductory screen.

**TIP:** To turn transcriber on and off, tap the **transcriber** icon.

### To show or hide the transcriber toolbar:

The transcriber toolbar, which appears at the bottom of the screen when transcriber is open, provides easy access to several tools – enter, space and backspace buttons, and left and right arrow buttons.

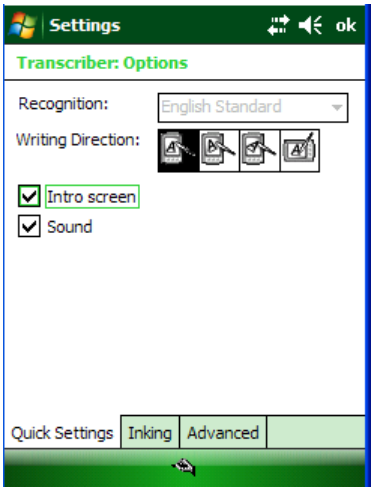
1. From a program, tap the **Transcriber** icon at the bottom of the screen.

| Tap | To |
|---|---|
| | Open the **options** dialog box, where you can set options such as writing direction, text entry and shorthand. |
| | Open **letter shapes**, where you can set your personal writing styles to maximize recognition. |
| | Use the miniature keyboard to quickly enter numbers, punctuation and other symbols. |
| | Change the character recognition mode.<br>• a mode. This is the default for optimum handwriting recognition.<br>• **123** mode. Numbers and some letters are allowed and the calculator is activated.<br>• **A** mode. All letters are automatically capitalized.<br>If you are in **A** or **123** mode, recognition returns automatically to the default mode once you lift the stylus. |
| | Insert a space at the cursor. |
| | Insert a paragraph return at the cursor. |
| | Move the cursor one space to the left. |
| | Move the cursor one space to the right. |
| | Move the cursor one space back and erase any text. |
| | Open the transcriber help. |

**To set transcriber startup options:**

1. From a program, tap on the transcriber toolbar.

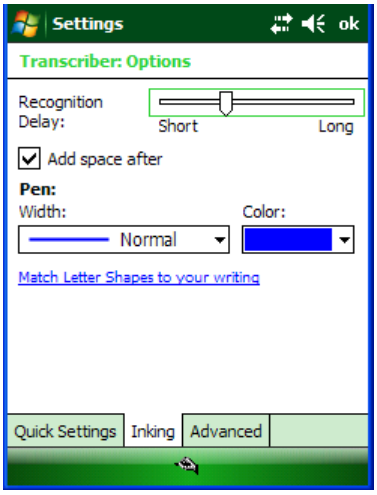
2. On the **Quick Settings** tab, set any of the following options:
   - In recognition, the **language transcriber** recognizes Standard English (Default).
   - In writing direction, tap the **picture** that most closely represents the angle at which you write on your device. For example, if your writing slants to the left, tap the second option.
   - Select the **intro screen** check box to display the short introductory screen when transcriber first opens.
   - Select the **sound** check box to turn on transcriber sounds.




**To set transcriber text entry options:**

1. From a program, tap on the transcriber toolbar.

2. On the **Inking** tab, set any of the following options:
   - Adjust the **Recognition Delay** slider.
   - Select the **Add space after** check box to add a space after each word that transcriber recognizes.
   - Under **pen**, choose the line width and color for handwriting.
   - Tap **match letter shapes to your writing** to open the letter shapes feature where you can train transcriber to recognize your handwriting.



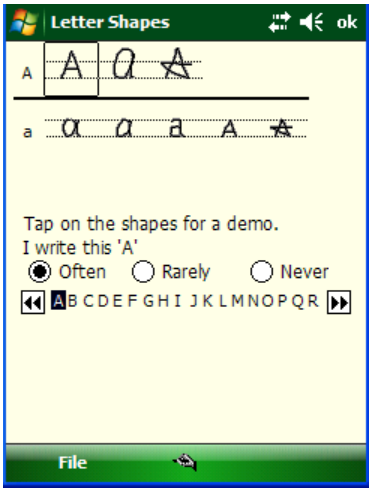
### To write with transcriber:

Transcriber allows you to write in cursive, print or a combination of both.

1. Within a program, position the **cursor** where you want text to appear.
2. Use the stylus to **write anywhere on the screen**. The writing will be converted to text shortly after you lift the stylus from the screen.

### To use the transcriber calculator:

1. From a program, tap on the transcriber toolbar until **123** is selected.
2. Write **the equation**. If you write 2+2=, transcriber returns 2+2=4.




### To match letter shapes to handwriting:

1. From a program, tap on the transcriber toolbar.
2. On the **Inking** tab, tap **match letter shapes to your writing**.
3. At the bottom of the letter shapes screen, tap the **character** you want to explore.
4. At the top of the screen, double-tap the **picture** of this character.
5. The character slowly redraws, showing the handwriting sequence.
6. Tap how often you write the character in that way: **often**, **rarely** or **never**.
7. Click **OK**.

### To optimize handwriting recognition for transcriber:

If transcriber does not recognize your handwriting as accurately or quickly as you'd like, you can optimize handwriting recognition.

- Select the **writing direction** picture that best matches the slant of your handwriting.
- Use **letter shapes** to eliminate letter shapes that you do not use or to learn methods of writing characters that will make them easier for transcriber to recognize.
- Try **writing** in another format. If you have been printing, try writing cursive, or if you have been writing in both cursive and print, try printing alone.
- Adjust the **speed** at which transcriber returns text after you write.
- Add a **user dictionary** that contains special terms you may be using, such as medical or legal terms.

You can also verify that you are using your letter shapes user profile.

### To edit text using transcriber:

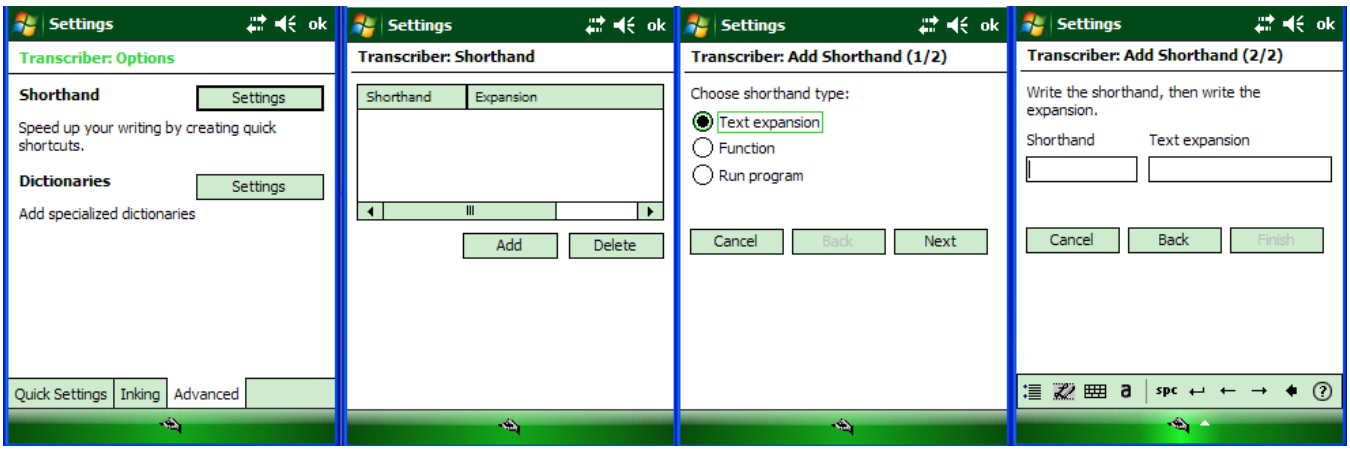
1. From a program, draw **a line across the text** you want to edit. After you lift the stylus from the screen, the line will disappear and the selected text will be highlighted.
2. Do either of the following:
   - Use **gestures** to capitalize letters or insert a space.
   - Use **handwriting recognition** alternates to quickly correct text and add words to the transcriber dictionary.

### To create a dictionary for transcriber:

1. On your PC, use a program such as Notepad, and type each term you want to include in the dictionary on a separate line.
2. When you are finished, on the **File** menu, click **Save As**.
3. In the **Save as type** box, select **All Files**, and enter a name for the file using a .dct extension (for example, *mydictionary.dct*).

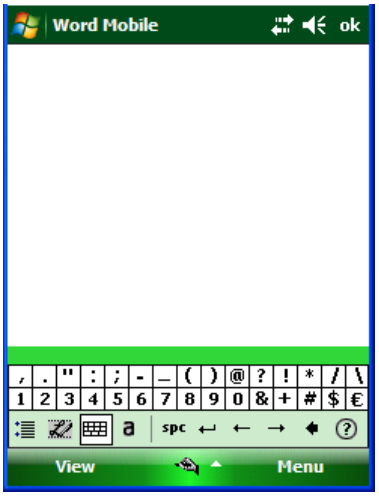
### To create shorthand for entering words:

1. From a program, tap on the transcriber toolbar.
2. On the **Advanced** tab, under **Shorthand**, tap **Settings**.
3. In the **Transcriber: Shorthand** dialog box, tap **Add**.
4. Tap **Text expansion**, and tap **Next**.
5. Write the **Shorthand** you want to use, then enter the **replacement text** to display.
6. Tap **Finish**, then tap **OK**.




### To use the transcriber keyboard

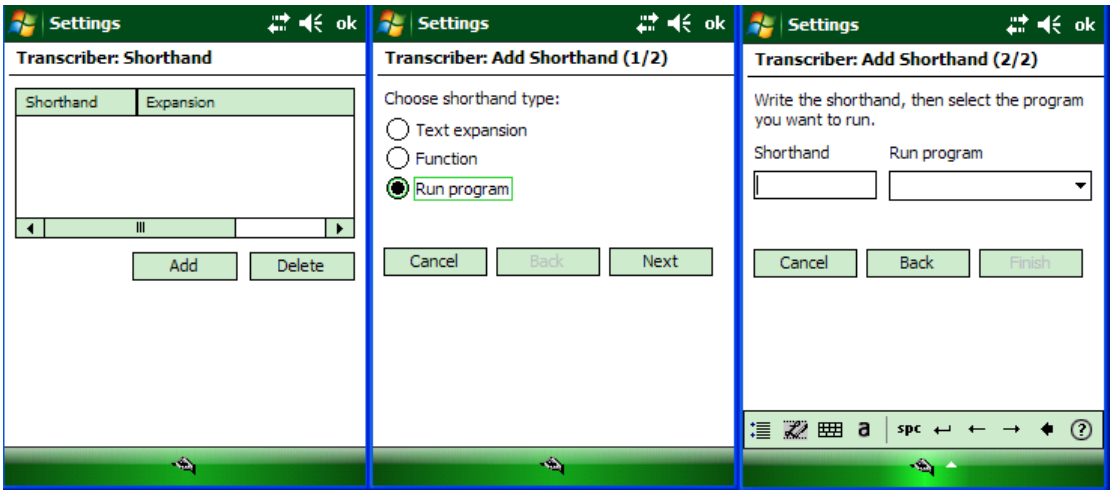
From a program, tap on the transcriber toolbar. The keyboard remains visible until you tap the button again.




**TIP:** To reposition the keyboard, tap and hold the **title bar and drag** to the desired location. With no text selected, you can also open the keyboard by doing this gesture.

**To create shorthand that will open a program:**

1. From a program, tap on the transcriber toolbar.
2. On the **Advanced** tab, under **Shorthand**, tap **Settings**.
3. In the **Transcriber: Shorthand** dialog box, tap **Add**.
4. Tap **Run Program**, and tap **Next**.
5. Write the shorthand text you want to use, then select the program you want transcriber to run when you write the shorthand.
6. Tap **Finish**, then tap **OK**.

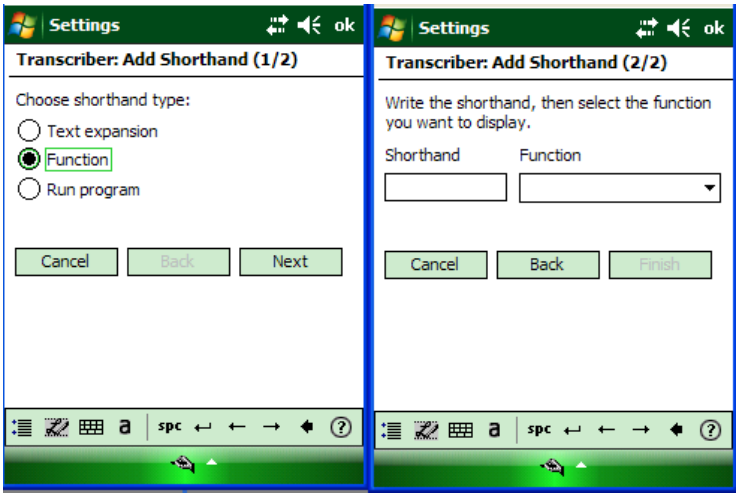



**ⓘ IMPORTANT NOTE!**

*The next time you write the shorthand text, the appropriate program will open.*

**To set up shorthand functions:**

1. From a program, tap on the transcriber toolbar.
2. On the **Advanced** tab, under **Shorthand**, tap **Settings**.
3. In the **Transcriber: Shorthand** dialog box, tap **Add**.
4. Tap **Function** > **Next**.
5. Write the **Shorthand** you want to use and then tap the **Function** the shorthand represents.
6. Tap **Finish**, and tap **OK**.



**To use handwriting recognition alternates:**

1. From a program, draw **a line across the word** you want to correct or add to the dictionary.
1. After you lift the stylus, the line will disappear and the word will be highlighted.
2. Do the **quick correct** **gesture**.
3. On the **alternates** menu, do one of the following:
    - To correct the selected word, tap the **word** you want to replace it with.
    - To add the selected word to the dictionary, tap **Add To Dictionary**.

**To use gestures in transcriber:**

Use quick strokes of the stylus to edit your text. Do the enter, space and tab gestures while writing text to insert returns, spaces or tabs.

| Do | To |
|---|---|
| | Insert a paragraph return at the cursor.<br>The horizontal portion of the gesture must be at least two times longer than the vertical portion. |
| | Insert a space at the cursor.<br>The horizontal portion of the gesture must be at least two times longer than the vertical portion. |
|  | Move the cursor one space back and erase any text.<br>Do the gesture by drawing a line from right to left. |
| | Open the menu of alternate words if a word is selected or the onscreen Transcriber keyboard if no text is selected.<br>Do the gesture by drawing a line straight down and back up. |
|  | Change the capitalization of a selected letter, word, or block of text.<br>Do the gesture by drawing a line straight up. |
| | Undo the last action.<br>Do the gesture by drawing a line straight up and back down. |
| | Copy the selected text.<br>Do the gesture by drawing a line from left to right and back. |
| | Cut the selected text.<br>Do the gesture by drawing a line from right to left and back. |
| | Paste copied or cut text.<br>Do the gesture by drawing a line from the lower left of the screen diagonally up toward the right and back down to the right. |
| | Insert a tab.<br>The horizontal portion of the gesture must be at least two times longer than the vertical portion. |

**TIP:** You can also use the **enter, space, and backspace buttons** on the transcriber toolbar.

**To match letter shapes to handwriting:**

Use the letter shapes feature to match your handwriting to a series of letter shapes recognized by transcriber or to learn methods of writing characters that transcriber will recognize more easily.

1. From a program, tap on the transcriber toolbar.
2. On the **Inking** tab, tap **match letter shapes to your writing**.
3. At the bottom of the letter shapes screen, tap the **Character** you want to explore.
4. At the top of the screen, double-tap the **picture of this character**. The character slowly redraws, showing the handwriting sequence.
5. Tap how often you write the character in that way: **often**, **rarely** or **never**.
6. Click **OK** when you are finished.

**To save a letter shapes user profile:**

You can save a user-specific letter shapes profile that you can open each time you use transcriber.

1. From a program, tap on the transcriber toolbar.
2. Match the **appropriate letter shapes** to your handwriting.
3. When finished, tap **File** > **Save**.
4. Enter a **name** for the user-specific letter shapes profile and select the type (.LSS is the default) and location for the file.
5. Tap **Save**.

## ⓘ IMPORTANT NOTE!

*To open a letter shapes profile, tap **File** > **Open** > double-tap the **Profile**.*

**To select a letter shapes user profile:**

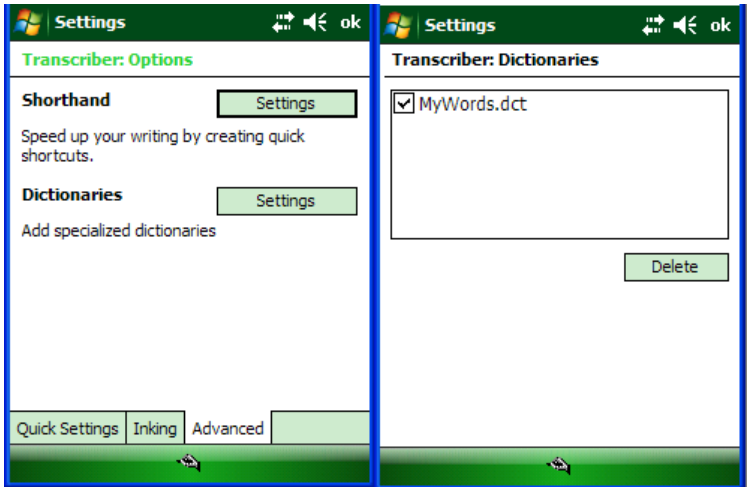
The transcriber letter shapes feature supports two profiles, master and guest. The master profile is not affected by any changes made to the guest profile.

1. From a program, tap on the transcriber toolbar.
2. Tap **File** and one of the following:
   - **Master** if you are the primary user.
   - **Guest** if you are not the primary user.

**To add a dictionary to a device:**

To add a dictionary to your device, the PC and the device must be connected and synchronized.

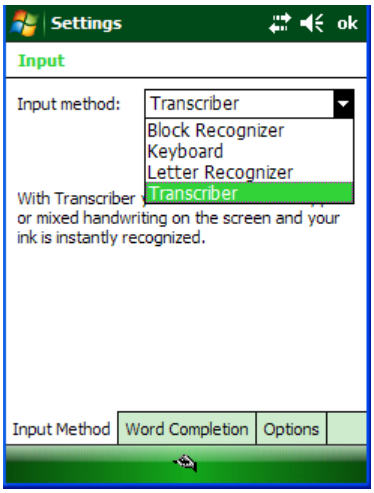
1. On the PC, open **ActiveSync** and click **Explore**.
2. Copy the **dictionary file** (a file with a .dct extension) to the **Dictionaries** folder on your device.
3. On the device, open a program and select transcriber as the input method. If the introductory screen appears, tap **OK** to close it.
4. On the transcriber toolbar, tap .
5. On the **Advanced** tab, under **Dictionaries**, tap **Settings**.
6. In the **Transcriber: Dictionaries** list, select the check box next to the new dictionary, and tap **OK**. The dictionary is now ready for use by transcriber.



**To change the text input method:**

Depending on your preference, you can use the onscreen keyboard or a handwriting recognition feature such as Block Recognizer, Letter Recognizer, and Transcriber to enter text in programs.

1. Tap **Start** menu > **Settings** > **Personal** tab > **Input**.
2. On the **Input method** tab, select block recognizer, letter recognizer or transcriber.
3. Tap **OK**.




**TIP:** You can also change the text input method from within a program by tapping **the input selector arrow** and tapping an **input method.**

| | |
|---|---|
| **Block recognizer** | Use a single stroke to write letters, numbers, symbols, and punctuation which are then converted into typed text. Do gestures to enter return and backspace. |
| **Keyboard** | Tap keys on the keyboard displayed on the screen to enter text. |
| **Letter recognizer** | Write individual letters, numbers, and punctuation which are converted into typed text. |
| **Transcriber** | Write in cursive, print or mixed handwriting (consisting of both cursive and print) and convert your writing into typed text. |

## Import Data

If you have data stored in computer applications such as spreadsheets and databases, or if you want to import data from another device, you can transfer the data to your Janam XM66 handheld computer without having to key it in manually. See chapter 6 for more details on how to transfer files and applications.

7

# Exchange and Update Data using ActiveSync

ActiveSync software lets you synchronize data between an XM66 and a PC. To synchronize data, you must connect your XM66 and PC directly using a cable or cradle or use a modem or network.

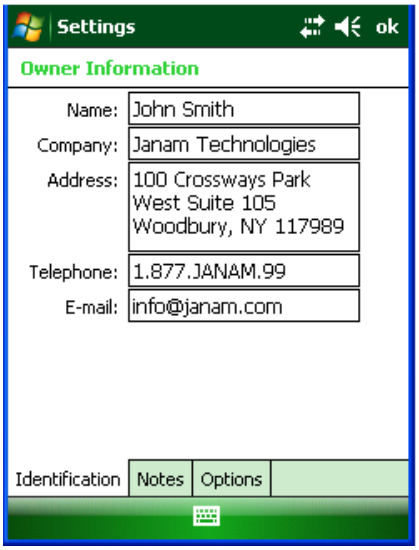
## Create a User Profile

You can create a user profile to load data into a Janam XM66 without associating that data with a user name.

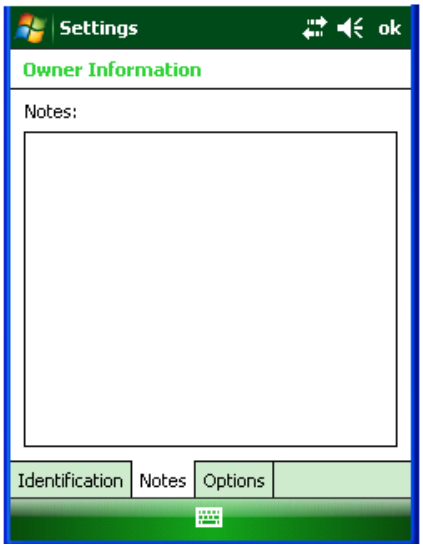
**To create a user profile:**

1. Tap **Start** menu > **Settings** > **Personal** tab.
2. Choose **Owner Information**.
3. Enter **identification**, **notes** and **display** information.
4. Tap **OK** to save changes.

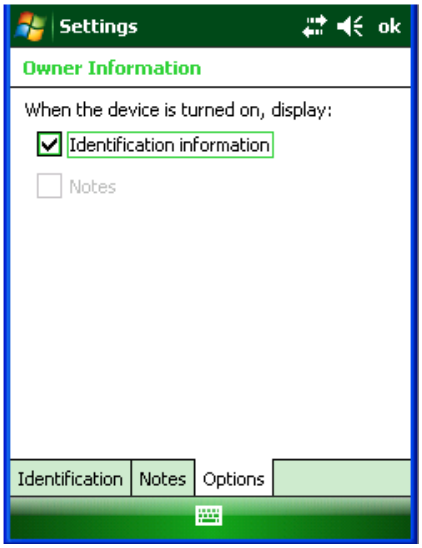
Identification




Notes




Display

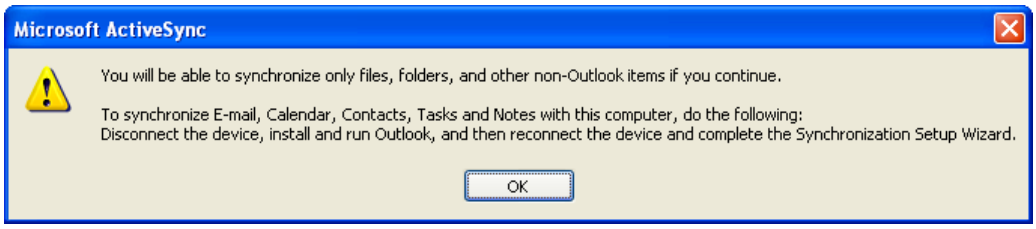



## Set up / Delete a Partnership

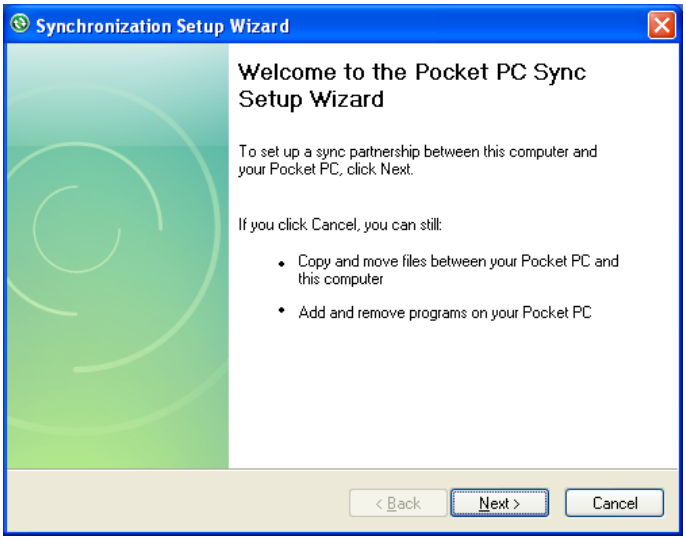
There are two types of partnerships that you can create with your Janam XM66. You can automatically synchronize the files on your handheld device with your PC when you start your device or you can establish a guest connection and manually copy the files you want to synchronize.

**To set up a partnership to automatically sync files:**

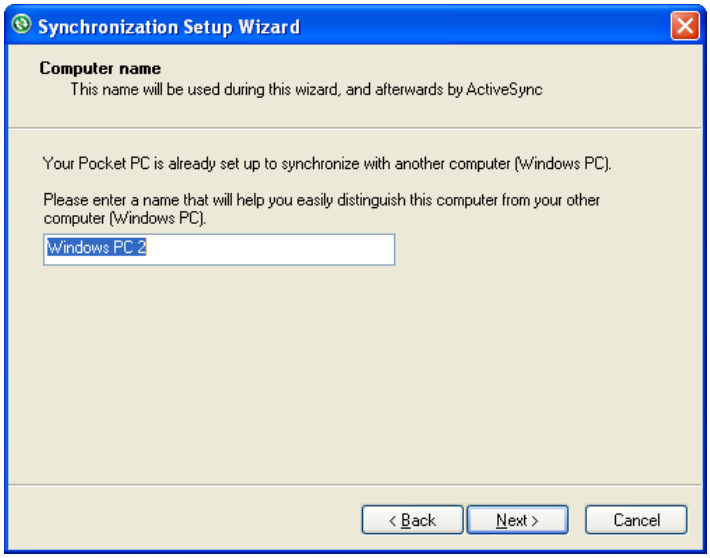
1. On your PC, select **Start** menu > **Programs** > **ActiveSync**. **Microsoft ActiceSync Version 4.5.0 (Build 5096)** is used in this manual.
2. Connect your **Janam XM66 to your PC.**
3. **Microsoft ActiveSync** dialog box prompts. Tap **OK** to proceed.



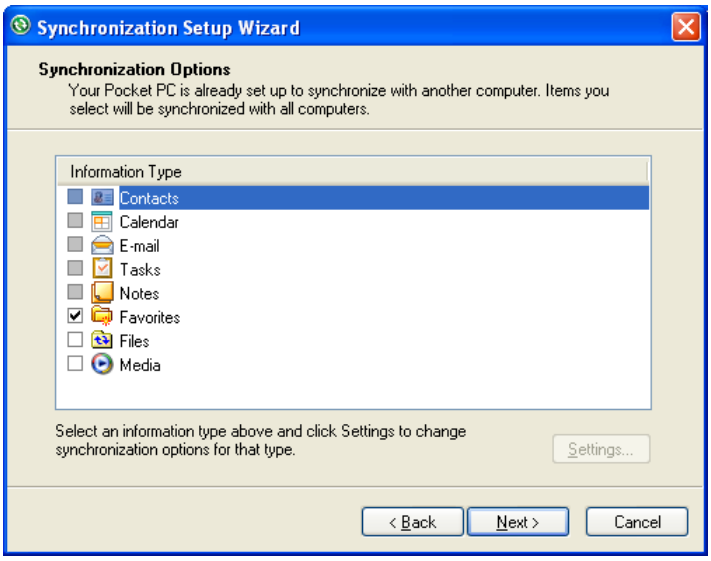

4. **Synchronization Setup Wizard** window appears. Tap **Next** to setup the partnership connection.



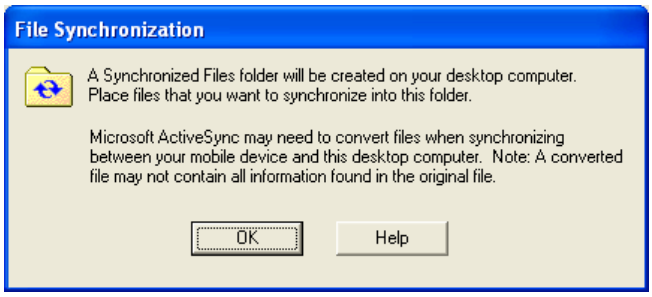

5. If the device has already been set up to synchronize with another computer, the **Synchronization Setup Wizard (Computer name)** window will appear. Use the default name or enter a new name. Then tap **Next** to proceed.



6. Select the **Files** you want to automatically sync between your mobile device and your computer. Then tap **Next**.

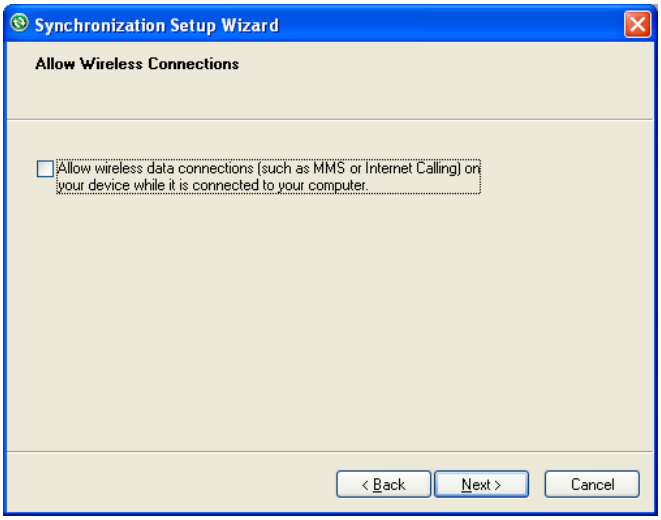



7. Note: when you select **Files**, an additional screen appears (shown below) with further information. Read carefully before proceeding, because your files may be converted. Tap **OK** proceed.

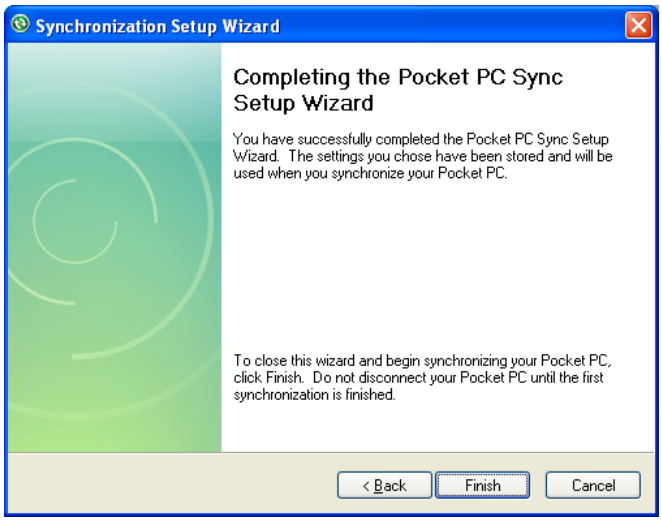



8. **Synchronization Options** window appears again. Tap **Next** to proceed.

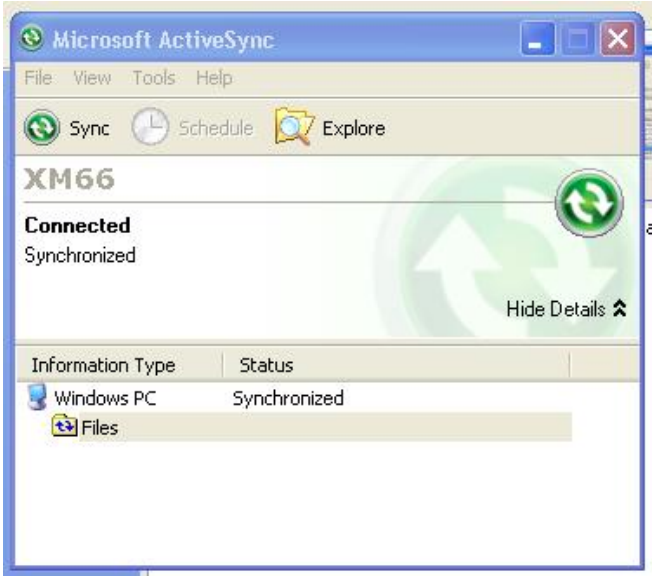
9. **Allow Wireless Connections** window appears. Check the checkbox for Allow wireless data connections.



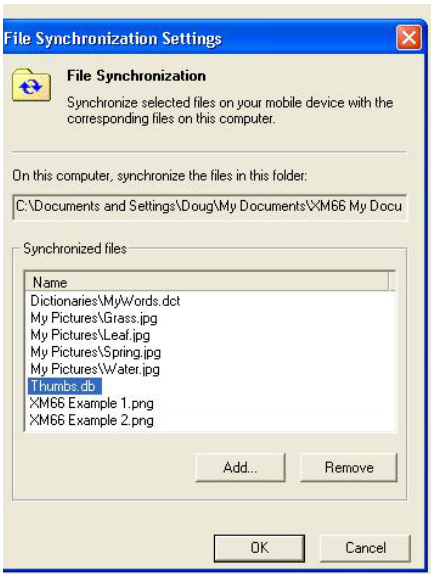

10. **Completing the Pocket PC Sync Setup Wizard** window appears. Tap **Finish**.



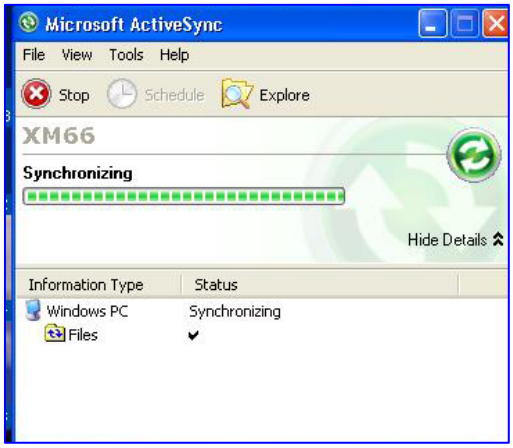

11. Your **partnership** setup is completed**. Microsoft ActiveSync** window appears with the device name **XM66** (in this example) and status shows as **Synchronized**. File synchronization will be carried out automatically when there is file added or remove from the **\My Document** folder of the device.



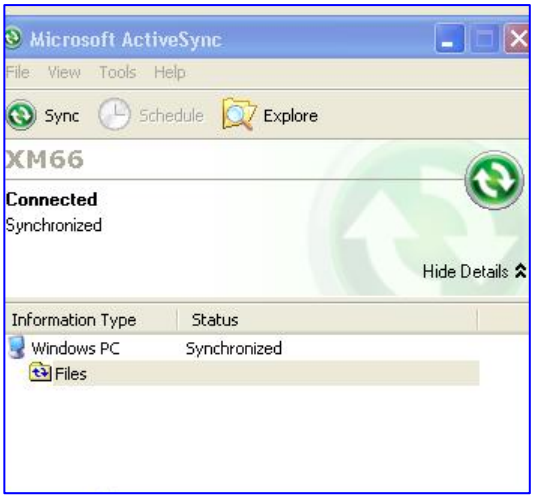
12. To add/remove files to the device, tap Files on the **Microsoft ActiveSync** window. **File Synchronization Settings** window appears. Tap on **Add** button to add files to **\My Documents** folder of the device and **Remove** button to delete files **\My Documents** folder of the device.




13. After adding and removing files, automatic file synchronizing is performed.

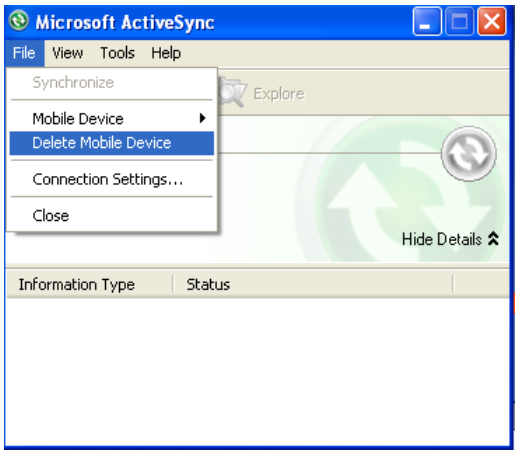



14. After synchronization is completed, the status of Microsoft ActiveSync window changes from **Synchronizing** to **Synchronized** again.



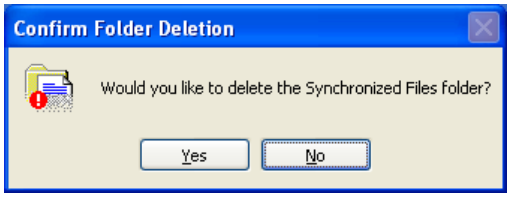
**To delete a partnership:**

1. Unplug USB cable to disconnect the USB ActiveSync connection between the device and the PC.
2. Go to **File > Delete Partnership** in the ActiveSync manager.



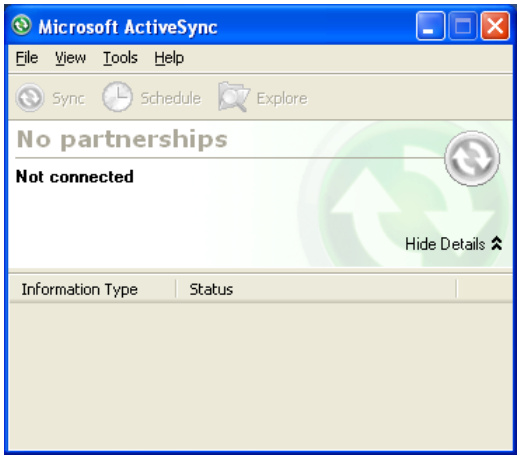

3. Click **Yes** when confirmation screen appears.

4. If there is a Synchronized Files folder, confirmation for folder deletion screen will appear. Click **Yes** to proceed.




5. **Microsoft ActiveSync** window shows **No partnerships**.

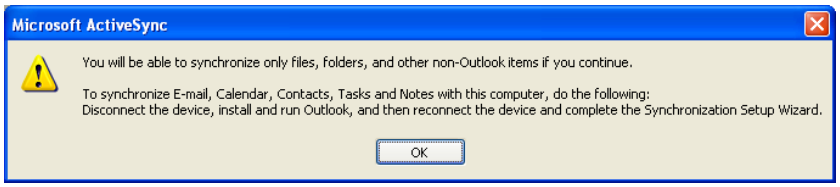
6. You will need to **re-establish the partnership** when you connect your Janam XM66 to your PC, or you will need to connect as a guest.



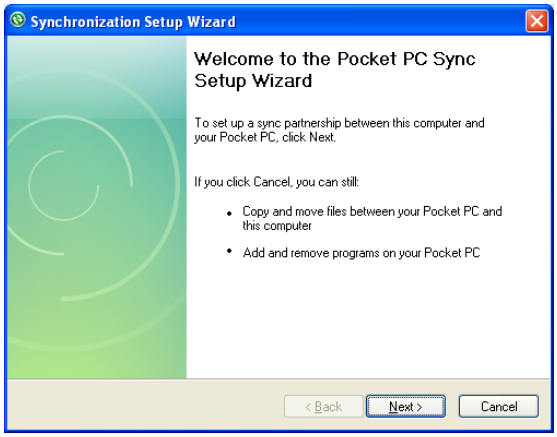
**To set up a guest partnership:**

1. Connect your **Janam XM66** to your PC.

2. **Microsoft ActiveSync** dialog box prompts. Tap **OK** to proceed.

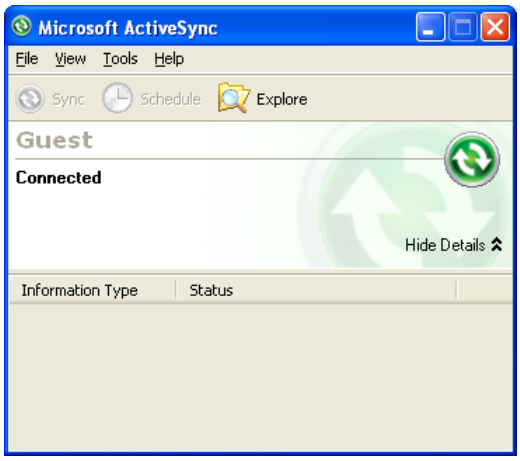



3. **Synchronization Setup Wizard** window appears. Tap **Cancel** to setup a **Guest** connection.

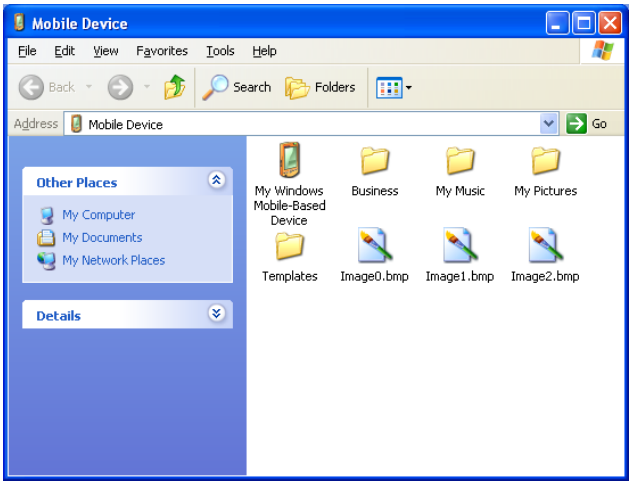



4. The guest connection is established, as shown.

5. Select **Explore** to manually copy the files on your handheld to your desktop computer.




Windows Explorer will appear with the folders and files on your mobile device.




6. Select the **file or file(s)** you want to move or copy.

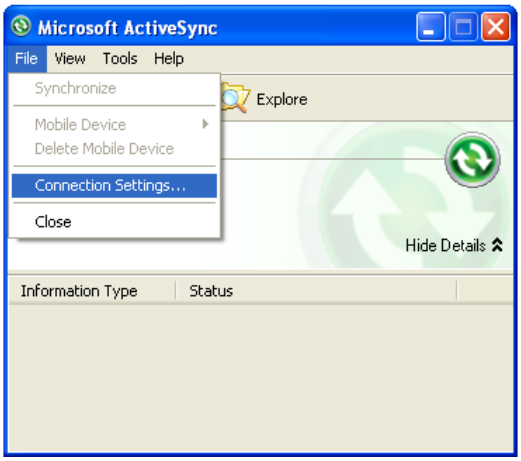
7. Choose **copy files** and select a **destination folder** on your PC.

## Partnership Settings

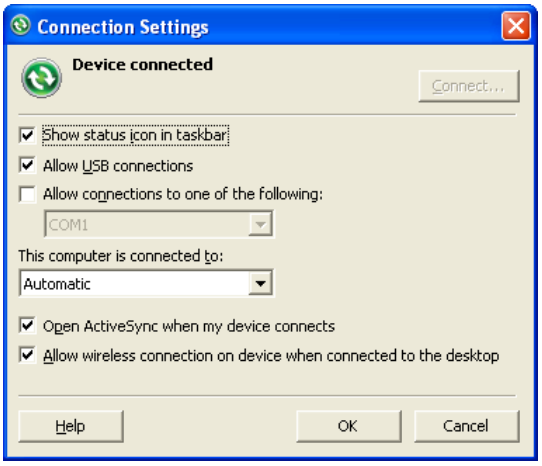
**To change partnership connection settings:**

1. Click the **ActiveSync icon** in your Windows system tray (bottom right corner of taskbar).

2. Choose **File > Connection Settings** from the ActiveSync manager menu.




3. The Connection Settings window appears. Tap **OK**.



# 8

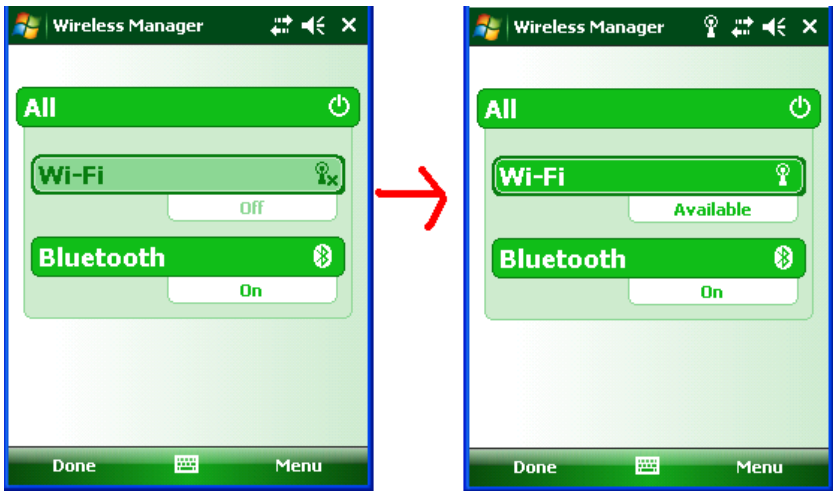
# 802.11 Wireless Configuration

The following section details the basic 802.11 wireless configuration for your Janam XM66.

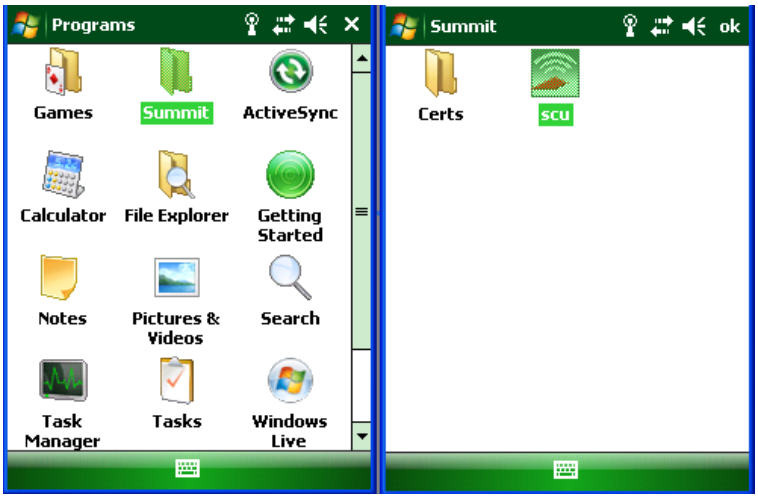
## Wireless local area network access

**By default, Wi-Fi is set to ON:**

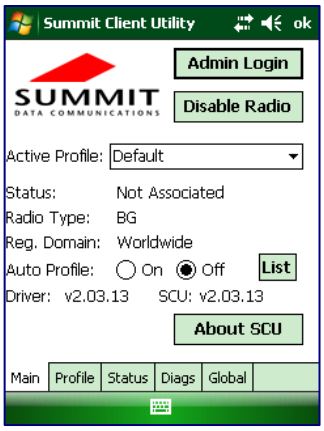
1. Tap **Start** menu > **Settings** > **Connections** tab > **Wireless Manager**
2. Click **Wi-Fi** to toggle it ON/OFF.




3. Click **Start** > **Programs** > **Summit** > **scu**



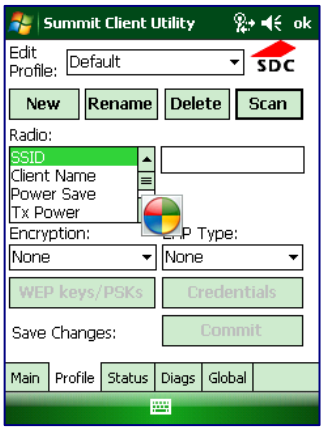
**Active Profile** is set to Default



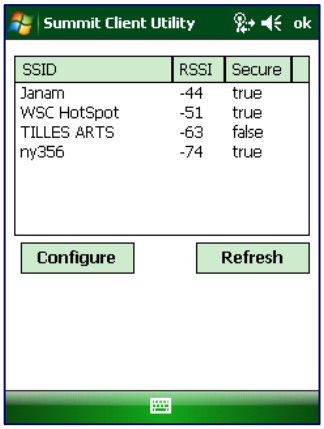

4. Tap **Admin Login**.

5. Enter the password **SUMMIT** and tap **OK.**

   **Note**: Use all uppercase letters for the password.

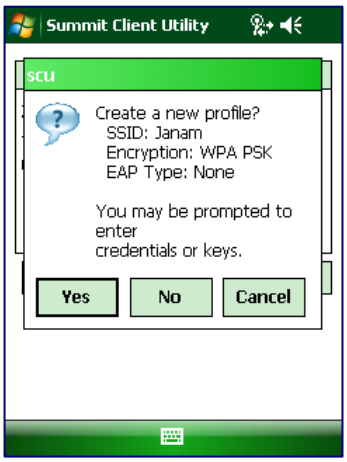



6. Click **Profile** tab and double tap **Scan** button to search for nearby AP's.

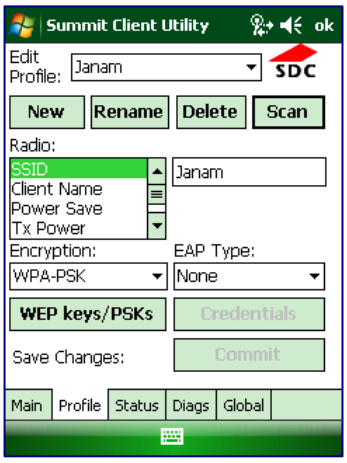



7. Select the desired network and click **Configure** button to set the network profile. Eg: **SOFTWARE**

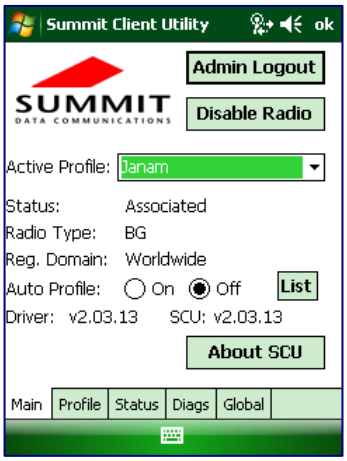
8. Click **Yes** button to complete the new profile configuration.




**9.** On the **Main** tab change active profile to the new profile created in the last step. Eg: **SOFTWARE**




10. Click tab **Status** tab to check the connection status.



# 9

# Bluetooth

## Overview

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can beam to exchange information over a distance of about 10 meters (30 feet).

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. You can even beam information to a device in a different room, as long as it's within range.

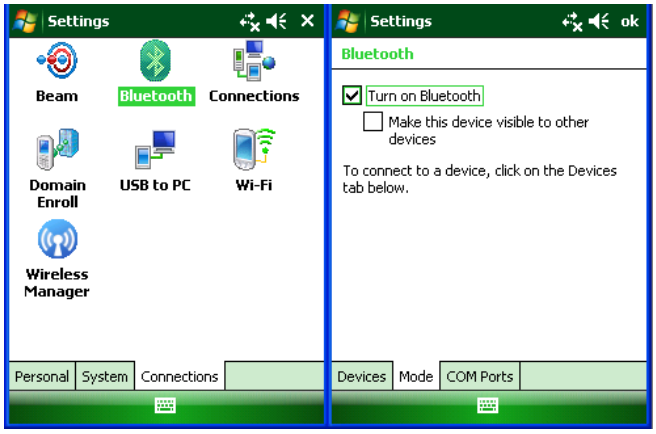
You can use Bluetooth as follows:

- Beam information, such as files, appointments, tasks and contact cards, between devices that have Bluetooth capabilities.
- Use a Bluetooth service. Once you connect to another device or computer using Bluetooth, you can locate and use any of the services available on that device.

## To Turn Bluetooth On/Off

1. Tap **Start** menu > **Settings** > **Connections** tab.
2. Tap **Bluetooth**.
3. Select the **Mode** tab.
4. Check or uncheck the **turn on Bluetooth** check box.

**NOTE:** By default, Bluetooth is turned off. If you turn Bluetooth on and then turn off the XM66, Bluetooth also turns off.

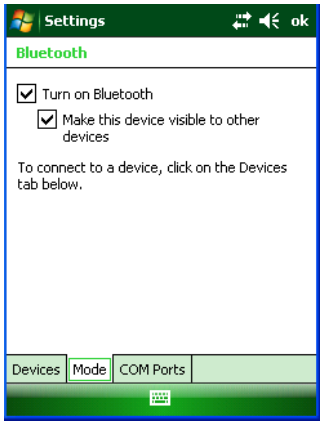



## To make a device visible

Other devices with Bluetooth capabilities can detect your device and attempt to beam information to it, establish a partnership, or use a Bluetooth service.

1. Tap **Start** menu > **Settings** > **Connections** tab.
2. Tap **Bluetooth**
3. Select the **Mode** tab.
4. Select the **Turn on Bluetooth** check box, and then select the **Make this device visible to other devices** check box.

**TIP:** If you no longer want your device to be visible, clear the **make this device visible to other devices** check box.



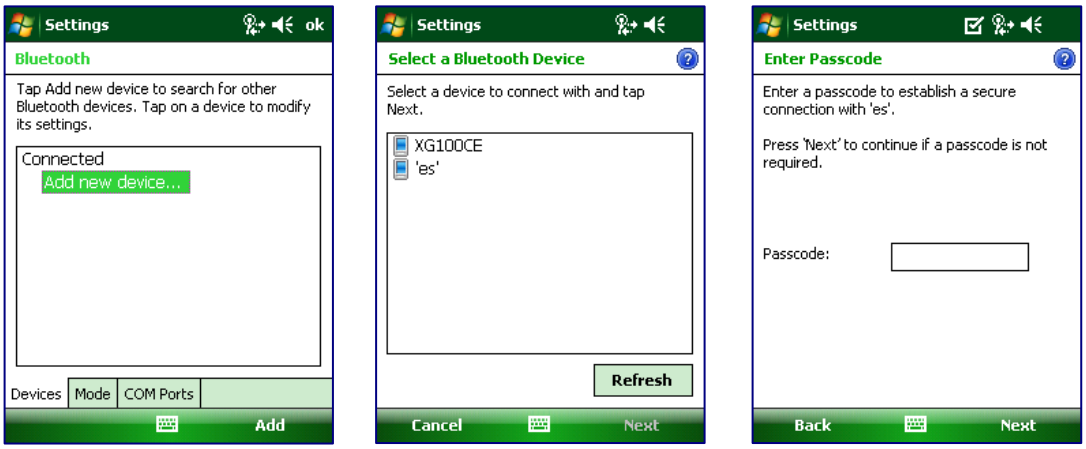
## Bluetooth partnerships

A partnership is a relationship that you create between your XM66 and another Bluetooth device to securely exchange information. Creating a partnership involves entering the same Bluetooth passcode on both devices. Once a partnership is created, the devices need only have Bluetooth turned on to exchange information; they do not need to be visible.

You need only create a partnership once between two devices. Then, the devices can exchange information without entering the passcode.

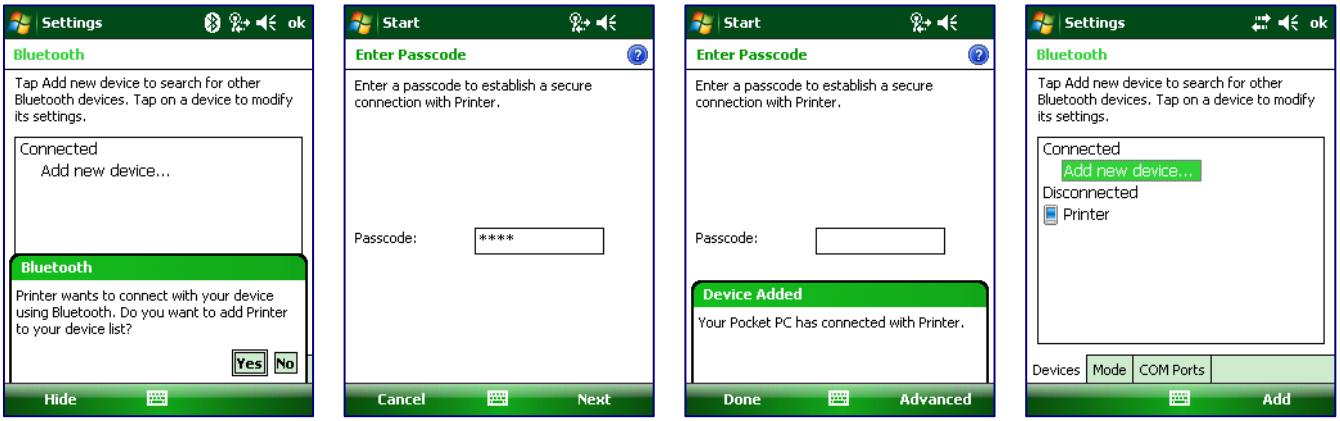
### To create a Bluetooth partnership

1. Ensure that the two devices are turned on, visible, and within close range.
2. Tap **Start** menu > **Settings** > **Connections** tab.
3. Tap **Bluetooth** > **Devices** tab > **Add new device**. Your device searches for other devices with Bluetooth capabilities and displays them in the list.
4. Tap the name of the device to be paired, and tap **Next**.
5. In **Passcode**, enter an alphanumeric passcode between 1 and 16 characters, and tap **Next**.
6. Enter the same passcode on the other device.



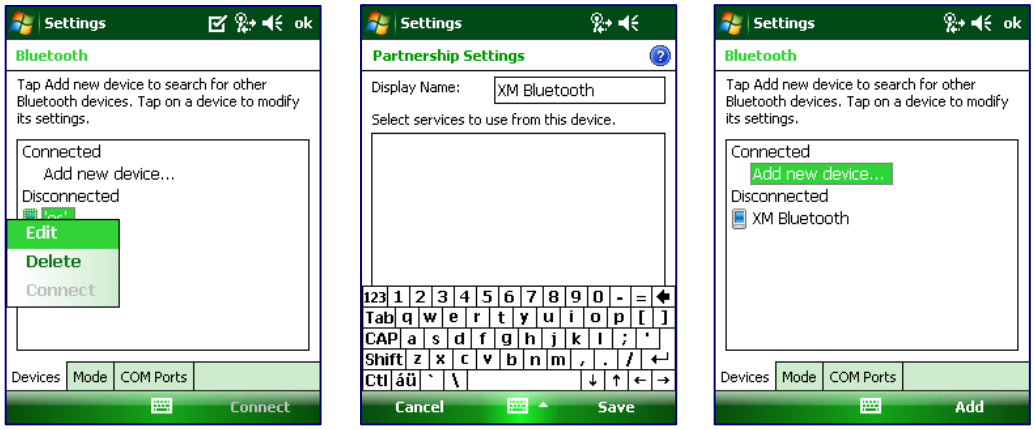

### To accept a Bluetooth partnership

1. Ensure that your device is turned on, visible and within close range.
2. When prompted to accept a partnership with the device that is requesting the relationship, tap **Yes**.
3. If a passcode is requested, enter an alphanumeric passcode between 0 and 16 characters in **passcode**, and tap **Next**. You must enter the same passcode that was entered on the device requesting the partnership.



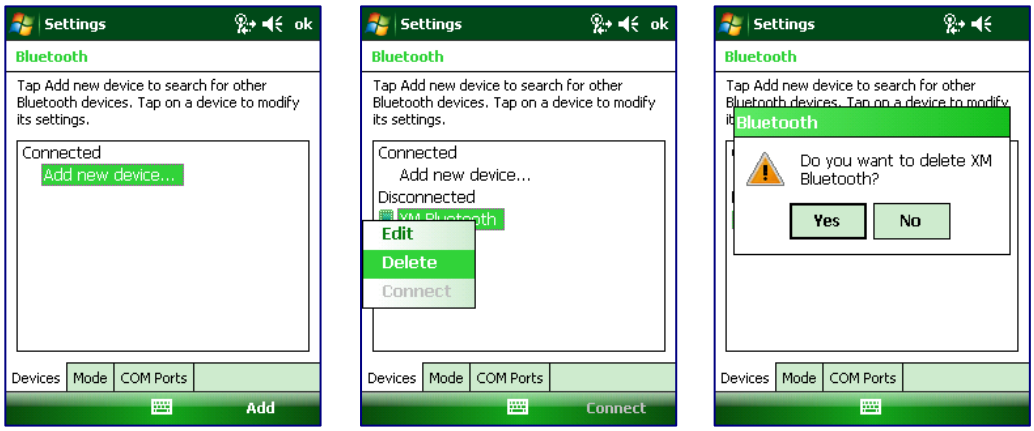
## To Rename a Bluetooth Partnership

1. Tap **Start** menu > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Devices** tab.
3. Tap the **partnership** to be renamed. A pop-up menu appears. Select **Edit**.
4. Enter a new name for the partnership and tap **Save**.




## To Delete a Bluetooth Partnership

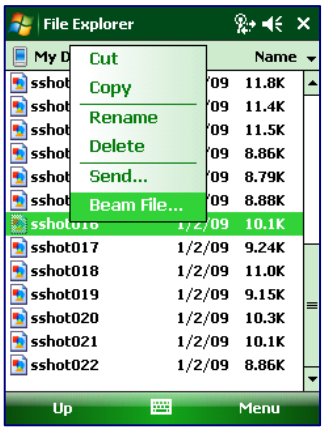
1. Tap **Start** menu > **Settings** > **Connections** tab.> **settings** > **connections** tab.
2. Tap **Bluetooth** > **Devices** tab.
3. Tap and hold the partnership you want to end. Select Delete from the pop-up menu.
4. Tap **Yes** to confirm.

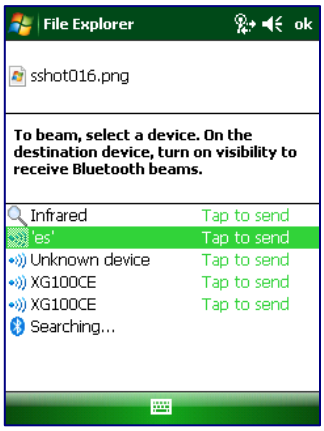


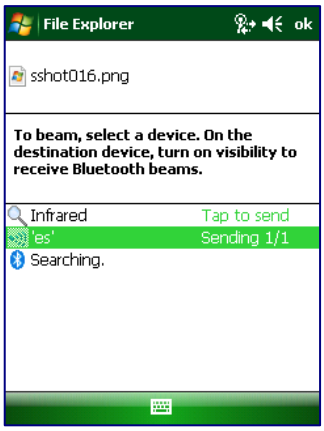
## Bluetooth Beam

### To Send a File Via Bluetooth Beam

1. Tap and hold on the file you want to beam to other device.
2. A pop-up menu appears. Select **Beam File**.
3. Nearby Bluetooth devices are displayed on the list.
4. Tap on the targeted device to beam the file.




### To Receive a Bluetooth beam

Your device will not detect and notify you of incoming Bluetooth beams unless you set it up as follows:

1. Tap **Start** menu > **Settings** > **Connections** tab > **Beam.**
2. Select the **Receive all incoming beams** check box.
3. Ensure that your device is turned on, visible and within close range of the device that is beaming the information.
4. When prompted with **"You are receiving data. To stop receiving, press Cancel"**, tap **Hide** to continue or no action to continue. If you want to reject the beamed information, then tap **Cancel** .
5. The next message is **"Do you want to save "filename" to your device?"**, tap **Yes** to receive the beamed information. The received file is stored in **\My Documents** folder of the device.

## Bluetooth virtual COM ports overview

Some programs can connect only though a serial (COM) port. This can be true even if the device itself is Bluetooth-enabled. To make it possible for such programs to use a Bluetooth connection, you must set up a virtual COM port. Once created, this virtual port can be used like any other COM port. You can use a virtual COM port for programs that, for example, connect to a GPS receiver, or to connect to a Bluetooth enabled printer.

Here are some examples of how to use incoming and outgoing virtual COM ports.

**Outgoing COM port:** You have a program on your device that cannot use Bluetooth directly but can print to a serial (COM) port. You can create a Bluetooth partnership with a Bluetooth-enabled printer, and then set up an outgoing COM port (for example, COM 1). The program can then send print data to COM 1, which reaches the Bluetooth-enabled printer.

**Incoming COM port:** You have a Bluetooth-enabled GPS receiver, and your device has a GPS tracking program that expects to receive GPS data over a serial (COM) port. You can create a Bluetooth partnership with the Bluetooth-enabled GPS receiver, and then set up an incoming COM port (for example, COM 2). The GPS program can then send data to COM 2, which reaches the GPS receiver.

Even if both your device and another Bluetooth-enabled device contain programs that need to use serial ports to communicate, you can set up the appropriate virtual incoming and outgoing COM ports on each device so that the programs can to use a Bluetooth connection to communicate.

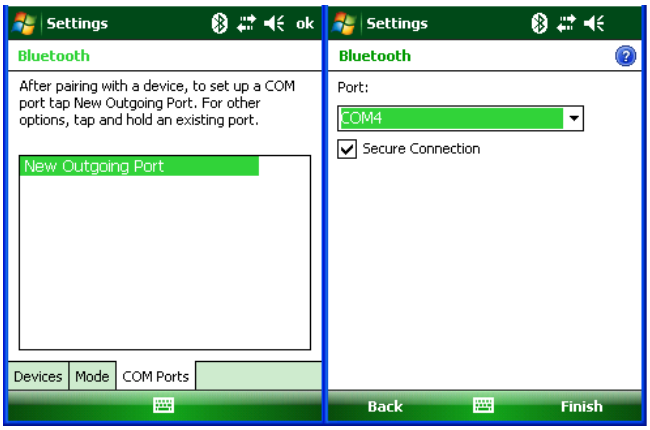
### To set up an incoming Bluetooth COM port

1. Make sure that your device is currently connected to the other device via Bluetooth.
2. Tap **Start** menu > **Settings** > **Connections** tab.
3. Tap **Bluetooth** > **COM ports** tab.
4. Tap **New Incoming Port**.
5. Select a numbered COM port from the list. If the port cannot be created, it is in use. Select a different numbered port.
6. To use this COM port to communicate only with devices with which your device has a Bluetooth partnership, select the **Secure Connection** check box.
7. Tap **Finish**.

### To set up an outgoing Bluetooth COM port

The list item **new outgoing port** will be available only if one or more Bluetooth-connected devices supports serial (COM) connections.

1. Make sure that your device is currently connected to the other device via Bluetooth.
2. Tap **Start** menu > **Settings** > **Connections** tab.
3. Tap **Bluetooth** > **COM ports** tab.
4. Tap **New Outgoing Port**.
5. Select a numbered COM port from the list. If the port cannot be created, it is in use. Select a different numbered port.
6. To use this COM port to communicate only with devices with which your device has a Bluetooth partnership, select the **Secure Connection** check box.
7. Tap **Finish**.



# 10

# Regulatory and Maintenance

## Regulatory information

© Copyright 2010 Janam Technologies LLC. All rights reserved.

XM Series, XM66, Janam and the Janam logo are trademarks of Janam Technologies LLC. Other product and brand names may be trademarked or registered trademarks of their respective owners.

Janam Technologies LLC assumes no responsibility for any damage or loss resulting from the use of this guide. Janam Technologies LLC assumes no responsibility for any loss or claims by third parties which may arise through the use of this product. Janam Technologies LLC assumes no responsibility for any damage or loss caused by deletion of data as a result of malfunction, dead battery or repairs. Be sure to make backup copies of all important data on other media to protect against data loss.

> ⓘ **IMPORTANT NOTE!**
> *Please read the end-user software license agreement with this product before using the accompanying software program(s). Using any part of the software indicates that you accept the terms of the end-user software license agreement.*

For additional information, visit www.janam.com or call +1.877.JANAM.99.

CE The CE mark on the product indicates that the system has been tested to and conforms with the provisions noted within the 89/336/EEC Electromagnetic Compatibility Directive.

For further information, please contact:
Janam Technologies; 100 Crossways Park West, Suite 105; Woodbury, NY 11797.

Janam Technologies shall not be liable for use of our product with equipment (i.e., power supplies, personal computers, etc.) that is not CE marked and does not comply with the Low Voltage Directive.

## FCC and Canadian compliance

FC Tested to Comply with FCC Standards.

FOR HOME OR OFFICE USE

XM Series mobile computers meet or exceed all applicable standards and have been manufactured to the highest level of quality.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

## XM Series batch terminal

Regulatory and safety approvals

| Parameter | Specification |
|---|---|
| U.S.A. | FCC Part 15, Subpart B |
| Canada | ICES-003 Issue 4 |
| European Community | EN55022:1998+A1: 2000+A2:2003<br>EN55024:1998+A1: 2000+A2:2003 |
| Australia | AS/NZS CISPR 22:2004 |

**This Class B digital apparatus complies with the Canadian ICES-003.**
Cet appareil numerique de la Class B est conforme a la norm NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

## XM Series RF Terminals with WLAN and/or Bluetooth

RF, regulatory and safety approvals

| Parameter | Specification |
|---|---|
| RF approvals | |
| U.S.A. | FCC Part 15 Subpart B and Subpart C |
| Canada | RSS 210 Issue 6 |

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference; and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet helpful: "Something about Interference." This is available at local FCC regional offices. Our company is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of

connective cables and equipment other than those specified by our company. The correction is the responsibility of the user. Use only shielded data cables with this system.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. To maintain compliance with the FCC RF exposure guidelines for body-worn operation, do not use accessories that contain metallic components other than what is specified by the manufacturer.

**This Class B digital apparatus complies with the Canadian ICES-003.**
Cet appareil numerique de la Class B est conforme a la norm NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

## RF, regulatory and safety approvals

| Parameter | Specification |
|---|---|
| R&TTE | EN 300 328 v1.6.1 (2004-11)<br>EN 301 489-1 v1.6.1 (2005-09)<br>EN 301 489-17 v1.2.1 (2002-08)<br>EN 300 440-2 v1.1.2 (2004-07)<br>EN 300 440-1 v1.2.1 (2001-09) |
| Australia | EN 301 489-3 v1.4.1 (2002-08)<br>EN 60950-1:2001+A11<br>EN 50371:2002<br>AS/NZS CISPR 22:2004 |

Hereby, Janam Technologies LLC declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 100/5/EC. The equipment is intended for use throughout the European Community.

## Care and cleaning of terminals

When needed, clean the image engine window and the LCD display with a clean, non-abrasive, lint-free cloth. The terminal can be cleaned with a damp cloth.

## Waste electrical and electronic equipment (WEEE) information

This product has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment, if not properly disposed.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems for product

disposal. Those systems will reuse or recycle most of the materials of the product you are disposing in a sound way.

The crossed out wheeled bin symbol informs you that the product should not be disposed of along with municipal waste and invites you to use the appropriate separate take-back systems for product disposal.

If you need more information on the collection, reuse and recycling of these systems, please contact your local region's waste administration. You may also contact your supplier for more information on the environmental performances of this product.

## Battery Warning

**CAUTION!**
**RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.**
**DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

Use only Janam-approved batteries such as the BA-XP-1 and recharge batteries using only Janam-approved chargers. Use only easily accessible wall outlets that are reached with the length of the supplied power cables.

The standard charger provides an easy and convenient way to charge the device. You can purchase the charger through an authorized dealer. Visit Janam's website www.janam.com for information.

## General information

1. Before using the standard charger, read all instructions and warnings.
2. Please retain these instructions for future reference.

### Warning

1. No user serviceable parts inside. Do not open the charger. The charger is not serviceable.
2. If found any damage or cracking on the enclosure of the charger, do not use the charger. This charger shall be disposed of.
3. Do not short-circuit the output terminals of the charger.
4. The charger is for indoor use only. Do not expose the charger to moisture or place the charger at location which could subject to water spillage.
5. The charger is designed for use with this product only. Do not use this charger for other purpose.

## Operating instructions

1. Connect the power cord to the charger before plugging the charger into an outlet.
2. After use, always unplug the charger from the outlet.
3. Ensure that your local power supply system complies with the technical data of the standard charger.

For more battery safety and charger safety guidelines, refer to the XM Series Quick Start Guide.